

Bill 25 (2019) Testimony

From: CLK Council Info
Sent: Wednesday, January 22, 2020 11:13 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Amber Stone Napoleon
Phone	8086207265
Email	amber@alohacharge.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25
Your position on the matter	Support
Representing	Organization
Organization	Aloha Charge / National Car Charging
Do you wish to speak at the hearing?	Yes
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67



COMMITTEE ON ZONING, PLANNING AND HOUSING

City and County of Honolulu

January 23, 2020, 10:00 A.M.

(Testimony is 11 pages long)

TESTIMONY IN SUPPORT OF BILL 25 (2019) CD1, WITH SUGGESTED AMENDMENTS
Relating to the adoption of the State Energy Conservation Code

Chair Menor, Vice Chair Waters, and Members of the Committee on Zoning, Planning and Housing:

Blue Planet Foundation strongly supports Bill 25 (2019) CD1, a measure to modernize the City & County of Honolulu's (Honolulu's) building energy code. The proposed bill adopts a revised version of the Hawai'i Energy Code for Honolulu. These revisions would update Honolulu's existing building energy code—which is fourteen years out of date—to increase occupant health and comfort while reducing energy use. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Blue Planet has reviewed the separate "CD 2" versions proposed by councilmembers. We support some of the changes made in the CD 2 proposed by Councilmember Elefante, but we are concerned about the proposed "points" system alternative for electric vehicle charger readiness. **We respectfully offer two proposed amendments on page 9 of our testimony to better "future-proof" new buildings to handle the rapid increase in zero emission vehicles.** We do not support the CD 2 version proposed by Councilmember Kobayashi, as it would further weaken the proposed building energy code amendments already adopted by the state and in effect on all counties except for Honolulu.

Blue Planet Foundation is a Hawai'i-based nonprofit organization. We work to clear the path for local, clean, renewable power. Through our advocacy for clean energy adoption, we seek to make our communities stronger, our energy more secure, our environment healthier, and our economy more robust. We appreciate Honolulu's growing leadership on clean energy issues.

As detailed below, the building energy code update proposed in Bill 25 CD 1 is:

- enormously cost-effective for residents and business owners on O'ahu;
- consistent with the state's very strong policy directives in favor of energy conservation; and
- flexible to make compliance easier for builders.

info@blueplanetfoundation.org

55 Merchant Street 17th Floor • Honolulu, Hawai'i 96813 • 808-954-6142 • blueplanetfoundation.org

Since the Council last met to discuss Bill 25, three things have shifted that shape our thinking on this proposal:

1. **The climate crisis has grown.** Over the past half year we have increasingly experienced the consequences of climate change—a direct result of our continued use of fossil fuels. Australia has experienced devastating fires over the past month, killing upwards of 1.5 billion animals and causing immeasurable damage. Hawai'i tied or broke over 270 high temperatures in 2019, and the waters surrounding the islands experienced record high temperatures. We are running out of time to aggressively act to reduce fossil fuel use globally.
2. **Fossil natural gas is being banned throughout the country.** An increasing number of cities across the country are banning natural gas for new buildings because of its threat to climate and health. Berkeley, California, was the first, followed in the state by San Jose, Mountain View, Santa Rosa and Brisbane. On the East Coast, Brookline, Massachusetts, last November became the first city in the state to ban new gas hookups. Dozens of other cities, from Cambridge and Newton in Massachusetts to Seattle, are considering similar bans. On the mainland, natural gas is now responsible for more climate-heating emissions than coal is. Globally, fossil gas is the fastest-growing source of climate change emissions, according to study published in *Environmental Research Letters* last month.¹
3. **The upcoming version of the international building energy code calls for 20% EV ready parking.** The International Code Council (the organization which develops the model code for cities and states to adopt) recently approved the inclusion of EV charger ready requirements in their 2021 building energy code.² This new provision by the fairly conservative International Code Council acknowledges the growing recognition that the future of transportation is electric, and substantial cost savings can be realized by preparing for EV chargers while buildings are under construction.

The Council has an opportunity to adopt a modernized building energy code for O'ahu that reflects our need to seriously address the climate crisis while ensuring long-term affordability for residents and businesses. An amended Bill 25, as proposed in this testimony, would do just that.

The Code Updates Support the State's Energy Mandates in a Cost-Effective Manner

Energy efficiency is the most cost-effective energy resource available in the state, costing a fraction of fossil fuel-powered electricity.³ The anticipated energy savings arising from the 2015

¹ R B Jackson, et al. 2019. *Environmental Research Letters*. 14, 121001

² See <https://qz.com/1781774/new-us-building-codes-require-plugs-for-electric-cars/>

³ Energy savings delivered by the state's Hawai'i Energy program in 2016 cost 2.06 cents per kWh. See *Hawaii*

IECC (International Energy Conservation Code) were tabulated in a May 2016 Report prepared for the Department of Business, Economic Development & Tourism ("DBEDT").⁴ When translated into dollars, the billions in savings plainly illustrate the enormous benefit of the proposed amendments.

Statewide Savings	2016	2026	2030	2036
MWh	12,962	1,083,590	1,991,059	4,702,738
\$	\$4,000,000	\$337,000,000	\$619,000,000	\$1,463,000,000

(Note: energy cost savings calculated here utilize the average retail cost of electricity over the past five years;⁵ this provides a conservative estimate of cost savings, because it does not factor a potential rise in energy prices.)

Extrapolating the savings for O'ahu based on the percentage of energy used on the island versus statewide energy use, **the estimated 20-year savings for O'ahu is over \$971 million under the proposed building energy code revisions (approximately \$318 million in residential energy savings and \$653 million in commercial energy savings).**

The substantial savings resulting from reduced energy use dwarf the associated costs. In its February 2016 report, the Pacific Northwest National Laboratory stated: "The 2015 IECC provides cost-effective savings for residential buildings in Hawai'i. Moving to the 2015 IECC from the 2006 IECC base code is cost-effective for residential buildings in all climate zones in Hawai'i."⁶ Moreover, we understand that this cost-effectiveness may be *even higher* for many residential buildings in Hawai'i, where immediate cost savings can be obtained via lower construction costs *and* lower energy costs by utilizing the particularly important portions of the code applicable to the tropical zone. In such instances, the "payback" period would be immediate.

Energy Conservation is a Bedrock Policy of the State

The energy landscape has shifted dramatically in the last decade. In 2015, Hawai'i adopted the nation's first 100% renewable energy mandate. Meanwhile, as Hawai'i and other places around the globe have made smarter energy a priority, technologies for energy efficiency and other demand-side management strategies have progressed rapidly alongside.

Energy 2014 Annual Report, available at

https://hawaiienergy.com/images/resources/ProgramYear2016_AnnualReport.pdf. Even with today's relatively low oil prices, electricity from oil-fired power plants costs around seven times more. See *DBEDT Monthly Energy Trends*, available at <http://dbedt.hawaii.gov/economic/energy-trends-2/>.

⁴ See The Cadmus Group, Inc., *Energy Savings Forecast for the 2015 Int'l Energy Cons. Code with Haw. Amendments* (prep'd for DBEDT, May 2016), available at <https://energy.hawaii.gov/wp-content/uploads/2016/07/Energy-Savings-Forecast.pdf>.

⁵ See DBEDT Monthly Energy Trends.

⁶ Pac. Northwest Nat'l Lab., *Cost-Effectiveness Analysis of the Residential Provisions of the 2015 IECC for Hawaii* (prep'd for the U.S. Dept. of Energy by, Feb. 2016), available at https://www.energycodes.gov/sites/default/files/documents/HawaiiResidentialCostEffectiveness_2015.pdf

These policy and technical advancements have left a gap between the existing code (based on the IECC of 2006) and today's energy realities. The proposed 2015 update in Bill 25 CD1 will take important steps to narrow the gap.

In a state with no indigenous fossil fuels, it makes sense that energy conservation is a core principle. Indeed, the importance of energy stewardship and efficiency is directly embedded within Hawai'i's constitution:

For the benefit of present and future generations, the State and its political subdivisions shall conserve and protect Hawaii's natural beauty and all natural resources, **including . . . energy sources**, and **shall promote the development and utilization of these resources in a manner consistent with their conservation** and in furtherance of the self-sufficiency of the State.⁷

Similarly, state lawmakers have stated that planning for the state's infrastructure shall be directed toward the achievement of objectives that include: "Sequester more atmospheric carbon and greenhouse gases than emitted within the State as quickly as practicable, but no later than 2045";⁸ and "Increased energy security and self-sufficiency through the reduction and ultimate elimination of Hawai'i's dependence on imported fuels for electrical generation and ground transportation."⁹

To achieve these objectives, it is the official policy of the state to promote energy conservation through measures such as: "**Adoption of energy-efficient practices and technologies**" and "**Increasing energy efficiency and decreasing energy use in public infrastructure.**"¹⁰

These constitutional and legislative policy directives in favor of energy conservation strongly support Bill 25 CD1 to modernize the Honolulu building energy code.

The Code Updates Provide Compliance Flexibility to Builders

Many of the building energy code amendments in the proposed energy code update address Hawai'i's tropical environment. Further, they provide flexibility and options to builders to comply with the code, reducing construction costs and making compliance easier. Specifically:

- Walls of residential and commercial buildings are exempt from expensive exterior insulation requirements when they are shaded or have light-colored exterior coatings.

⁷ Haw. Const. art. XI, § 1 (emphasis added).

⁸ Hawai'i Revised Statutes (HRS) § 225P-3(a).

⁹ HRS § 226-18(a).

¹⁰ HRS § 226-18(c)(4) (emphasis added).

- Mass walls six inches and thicker in commercial buildings will not be required to have insulation. The national code requires R-5.7 continuous insulation, which would add substantially to the cost of construction.
- Lighting systems in commercial buildings may be designed to 70% of 2015 IECC lighting power density in lieu of installing complex daylighting and dimming systems which add to design, material and labor costs. The 70% option reaps greater energy savings than would the two control systems.
- Roof replacements in commercial buildings may be done with solar reflectance, attic ventilation or radiant barriers, substantially reducing construction costs compared to national code requirements.
- Homes will not be required to insulate floors to R-13, substantially reducing construction costs.
- Re-roofed homes will be allowed to comply with the options of ENERGY STAR roof coverings, radiant barriers, or attic ventilation in lieu of more expensive insulation requirements.
- The Tropical Code option section is designed for homes with no air conditioning or minimal air conditioning. The design eliminates the requirement for tight home construction and minimizes wall and roof insulation requirements. The point system rewards design promoting cross ventilation and large overhangs over walls and windows and other passive design features, lowering construction costs. An optimized Tropical Code home, compared to an air-conditioned home, reduces energy by as much as 48%.

The Code Makes Sensible Additions to Honolulu's Building Energy Code

In addition to the myriad energy saving additions incorporated in the updated IECC 2015 building energy code (as proposed for Honolulu), Blue Planet Foundation appreciates the inclusion of the following energy upgrades in this proposed ordinance:

- Sub-metering is required in commercial tenant spaces, providing more visibility into energy use for tenants and enabling them to take better control of their energy finances.
- Lanai doors in hotel and similar buildings shall include a switch that turns off the air conditioning if the door is not closed. This reduces energy costs and prevents warm moist air from coming into contact with cold surfaces, potentially causing condensation, mold, and health issues.

Bill 25 CD1 Wisely Provides High-Efficiency and Renewable Water Heater Options

Solar water heating is recognized as an incredibly efficient—and cost-saving—strategy for most homes. Since 2010, the state has required solar water heating in almost all new homes. But this law has a variance process for rare exceptions where solar just doesn't work. Unfortunately, this variance has been abused by developers, despite the legislature's clear intent that variances "will be rarely, if ever, exercised or granted." Consequently, nearly half of new homes proposed or being built today on O'ahu include fossil-fuel gas water heaters. Thousands of homes on the hot Ewa Plain of O'ahu are slated to be built with gas water heaters, locking future homeowners into higher energy costs over years of home ownership. Instead of being part of our clean energy future, these homes will contribute to climate change for decades into the future.

Bill 25 CD1 corrects the solar water loophole, ensuring that new homes built today come equipped with water heaters powered by the sun (or another renewable source), or—if a renewable source isn't cost effective—a water heater that works as a heat pump, a "smart" grid-interactive water heater, or a water heater that uses at least 90% renewable gas. Again, if a solar- or renewable-powered water heater does not make sense economically—based upon a lifecycle cost-benefit analysis that incorporates the average residential utility bill and the cost of the new solar water heater system with a lifecycle that does not exceed fifteen years—then one of the following technologies advancing clean energy may be used instead:

Heat pump water heater. A heat pump uses electricity to move heat from one place to another (like a refrigerator operating in reverse) rather than generating its own heat like a traditional electric water heater. This makes heat pumps two to three times more efficient, according to the Department of Energy (DOE). Heat pumps can also work to help cool homes. According to the DOE, a heat pump water heater can save an O'ahu household of four people nearly \$1,000 per year on their electric bill.

Grid-interactive water heater (GIWH). A GIWH is a smart water heater that uses intelligent controls that are capable of interacting with and participating in utility load control or demand response programs. This allows the water heater to be an asset on the utility grid by smoothing out electricity usage and increasing the use of variable renewable energy. A local company, Shifted Energy, has already deployed hundreds of GIWH systems across O'ahu.

Renewable gas water heater. A renewable gas water heater would heat water using no less than 90% renewable gas fuel. This could be natural gas or methane produced from renewable sources (such as biomass or methane from wastewater treatment plants or landfills), or hydrogen gas developed from renewable sources.

This addition to the proposed building energy code update provides flexibility to developers while ensuring that future homes will be built with high-efficiency or renewable water heaters.

Bill 25 CD1 Helps Make Electric Vehicles More Accessible to Residents

Blue Planet Foundation strongly supports the inclusion of a limited “EV-ready” requirement for new commercial and multi-family residential construction in Bill 25 CD1. This is an important first step to lowering the overall cost of our transition to electrified transportation and make electric vehicles more accessible to O’ahu residents. *We do, however, encourage the Council to strengthen this provision in Bill 25 CD1 (please see our proposed amendment at the end of this testimony).*

Electric vehicles (EV) are the fastest growing segment of new cars in Hawai’i. Over roughly the past year (September 2018 – September 2019), EV registrations on O’ahu increased by 28%, while registrations of gasoline-powered vehicles grew only 1 percent.¹¹ We expect the number of registered EVs to grow substantially as new EV models with longer ranges and lower prices hit the market.

Electric vehicles will play an integral role in Hawai’i’s clean energy future. While EVs that use the existing electricity grid to charge still use mostly fossil fuel, they use that fuel more effectively than burning fuel directly in a typical gasoline engine. This is why EVs are much less expensive to “fuel” per mile than their gasoline counterparts. Further, by using stored electrical energy, EVs can take advantage of intermittent solar, wind, and other clean energy resources. Most vehicles sit idle over 22 hours of the day, so they can become *de facto* energy storage devices if their batteries are plugged into the grid when they are not in use. With smart grid infrastructure in place, EVs become an essential component to electricity load and clean energy resource balancing—in addition to providing clean mobility solutions for Hawai’i residents.

Still, over 600,000 gasoline-powered vehicles are on O’ahu’s roads—and from them comes nearly five million metric tons of climate-changing carbon pollution. What’s worse, while O’ahu has made decent progress in reducing its carbon emissions from the electricity sector, emissions from ground transportation have been increasing in recent years.

The International Energy Agency has found that “the availability of chargers emerged as one of the key factors for contributing to the market penetration of EVs.”¹² Unlike gasoline car owners, charging behavior for EV owners indicates that more than 80% of EV drivers charge their cars at home or at work.¹³ In addition, a large share of the Honolulu’s population lives in high density, multi-family residential buildings. The vast majority of parking facilities currently lack EV chargers.

By ensuring that we are “future-proofing” new construction projects, this measure is an important step toward increasing electric vehicle charging options for those who don’t have access to charging at home or at work.

¹¹ DBEDT Monthly Energy Trends, June 2019 (<http://dbedt.hawaii.gov/economic/energy-trends-2/>).

¹² *Global EV Outlook 2017*, <https://www.iea.org/publications/freepublications/publication/GlobalEVOutlook2017.pdf>.

¹³ *Id.*

Honolulu can expect more residents to choose EVs over gasoline vehicles as prices decrease. Battery costs have fallen precipitously over the past several years so that in many cases, the total cost of ownership for EVs is lower than for gasoline vehicles. Experts expect battery prices to continue to fall and as automakers increase the number of models and volume of EVs in the next few years, the upfront cost of EVs is expected to reach upfront cost parity with gasoline vehicles by 2024.¹⁴

In part due to falling costs and increasing consumer demand, and in part due to government policies supporting EVs, nearly all of the world's leading automakers have announced aggressive strategies and investments in EVs during the past two years.

The most challenging aspect of EV charger installation is the common lack of electrical capacity and distributed subpanels to support broad deployment of charging infrastructure. **By choosing not to install the wiring and conduit upfront in new construction, developers are forcing tenants to pay for expensive retrofit costs to upgrade power capacity and wiring to their parking stalls.**

Studies have shown that **installing EV infrastructure at the time of construction can be 91% less expensive than post-construction retrofits**, and per stall installation costs can be reduced through economies of scale.¹⁵ Vancouver, BC, found that the average cost of adding charging infrastructure during construction was about \$300 (CAD) per stall compared to an estimated \$3,300 for a later retrofit.

While this bill would not require the installation of the actual EV charging infrastructure, it would require that the power capacity and conduit be set up during construction, which would dramatically reduce retrofit costs at the time of charger installation, creating cost savings downstream for residents and tenants.

Cities around North America are adopting EV-ready requirements for commercial and residential new construction. Seattle, San Jose, Atlanta, San Francisco, and Oakland have adopted requirements for a certain percentage of stalls to be ready for Level 2 charging. Vancouver, British Columbia, now requires that 100% of new parking stalls be built ready for EV chargers. Honolulu—with the second highest adoption of EVs per capita nationwide—should implement a similar policy.

Electric vehicles are better for the environment and the economy and can help O'ahu reach its renewable energy and transportation goals. The time has come when Honolulu residents want to purchase electric vehicles but need convenient and affordable charging options. An EV-ready requirement will ensure that the EV charging infrastructure network necessary to support the

¹⁴ See Bloomberg New Energy Finance, <https://bnef.turtl.co/story/evo2018>.

¹⁵ See <http://evchargingpros.com/wp-content/uploads/2017/04/City-of-SF-PEV-Infrastructure-Cost-Effectiveness-Report-2016.pdf>.

influx of electric vehicles can be installed more efficiently and cost-effectively in new construction projects. It will provide new EV owners—particularly those that will live in new multi-family residential buildings—with the confidence that they will be able to access charging at home, at the workplace, and in public spaces.

SUGGESTED AMENDMENTS

Blue Planet Foundation respectfully requests that Councilmembers consider two amendments to strengthen Bill 25 CD1 to better “future-proof” new multi-family homes and buildings to handle the rapid increase in zero emission vehicles:

1. First, we ask that the provision in Bill 25 CD1 for EV-ready infrastructure be amended to **require Level 2 EV-ready infrastructure** instead of Level 1 for multi-family residential construction with over eight parking stalls; and
2. Second, we suggest that the requirement for Level 2 EV-ready parking stalls to applied to **all new parking stalls** in multi-family and commercial buildings.

The current draft of Bill 25 CD1 requires that residential multi-family dwellings (with more than eight parking stalls) include at least 25% EV-ready stalls—but only equipped to handle Level 1 (or slow) charging infrastructure. This is woefully inadequate for meaningful vehicle charging and significantly reduces the opportunity to use vehicle charging for utility demand response or load control programs. Further, the current provision in Bill 25 CD1 is a departure from the EV-ready requirements that are increasingly being adopted around the country, which are standardized around Level 2 charging.

Level 1 charging, or “trickle charging,” means charging an EV using a standard 120-volt outlet. The rate of charge associated with this is roughly four miles of driving range per hour of charging. Below is a list of the most commonly purchased EVs and the associated charging time for a full charge from a Level 1 charger:

- Nissan Leaf – 1.7 to 2.6 days
- Chevy Bolt – 2.5 days
- Tesla Model 3 – 2.5 to 3.1 days

These charging times are impractical for most drivers and would likely lead to unnecessary cost for residents to later upgrade the electrical equipment to handle faster charging. To the degree the intent of the proposed EV-ready amendment is to ensure that buildings are constructed in a manner that can effectively support the decision of Honolulu residents to purchase an EV, this particular provision needs to be changed to require Level 2 charging.

Blue Planet Foundation also supports expanding this EV-ready requirement from 25% of new stalls to 100% of new parking stalls. With the rapid rate of change in the adoption of EVs, we expect that most new cars sold in Hawaii will be electric or hybrid within a decade. Yet Bill 25 CD1 as currently drafted only envisions 25% of new stalls needing future chargers. It is also unclear how these stalls will be allocated to future homeowners, tenants, or renters—will those

who would like to install an EV charger be able to access the one-in-four stalls that are EV-ready? This measure should reflect and anticipate the future where nearly all vehicles are zero emissions. This is particularly important given the slow of pace of updating Honolulu's building energy code. Failure to do so will lead to unnecessary expense in retrofitting relatively recent buildings with what will soon be commonplace amenities.

This is also an issue of equity. It's likely that the initial group of individuals purchasing EVs will be more affluent than latter adopters—this holds true for many innovations, as they are initially more expensive. They will be positioned to take advantage of the 25% of stalls that are EV-ready. But what about later adopters who are less affluent? this policy may have the effect of burdening these later EV adopters with the high costs of retrofitting to install EV infrastructure in already completed buildings. Simply requiring that all stalls are EV-ready avoids this potential inequity.

Requiring that all new parking stalls be EV-ready is not without precedent. Again, the city of Vancouver, BC, passed a law updating their four-year-old EV-ready requirement from 20% of new residential stalls to 100% of new stalls.¹⁶ The law took effect January 1 of this year. Since 2014, existing requirements have resulted in 20,000 electric vehicle-ready stalls in buildings.¹⁷ Other cities are considering similar 100% EV-ready policies.

To accomplish this, Blue Planet Foundation requests that the proposed language in Bill 25 CD1 relating to Subsection C406.8 should be modified as follows (underlined indicates additions, ~~strikethrough~~ indicates deletions):

C406.8 Electric vehicle infrastructure. All parking stalls in n~~New residential multi-unit buildings that have eight or more parking stalls, and new commercial buildings that have twelve or more parking stalls,~~ shall be electric vehicle charger ready ~~for at least 25 percent of the parking stalls.~~ As used in this section, "electric vehicle charger ready" means that sufficient wire, conduit, electrical panel service capacity, overcurrent protection devices and suitable termination points are provided to connect to a charging station capable of providing simultaneously an AC Level 4 ~~2~~ charge per required parking stall ~~for residential and multi-unit buildings. For commercial buildings, at least 25 percent of the parking stalls are required to be AC Level 2 charger ready.~~ Charge method electrical ratings are provided below:

CHARGE METHODS ELECTRICAL RATING

Charge Method	Normal Supply Voltage (Volts)	Maximum Current (Amps – Continuous)	Supply Power
AC Level <u>4</u>	<u>120V AC, 1-Phase</u>	<u>12A</u> <u>16A</u>	<u>120VAC/20A</u> <u>(12-16A continuous)</u>

¹⁶ See <https://vancouver.ca/streets-transportation/electric-vehicles.aspx>

¹⁷ See <https://www.vancourier.com/news/city-council-boosts-electric-vehicle-infrastructure-1.23202750>

	120V AC, 1-Phase		
AC Level 2	208 to 240V AC, 1-Phase	≤ 80A	208/240VAC/20-100A (16-80A continuous)

Blue Planet Foundation is open to working with the Council on identifying ways to make this EV-ready policy more acceptable to all stakeholders. Potential approaches to decreasing the potential burden of this proposed EV-ready policy (as amended) include:

1. **Phase-in period.** Increase the required percentage of stalls in phases (i.e. 25% of new stalls starting January 1, 2020; 50% starting January 1, 2021; 75% starting January 1, 2022; 100% starting January 1, 2023).
2. **Limit requirement.** For multi-family buildings, visitor parking could be excluded (Vancouver does not require visitor parking to be EV-ready).
3. **Allow the use of EV Energy Management Systems (EV EMS).** Providing the capability for every parking stall to charge an EV at Level 2 may lead to unnecessary expense in developing the building's electrical capacity (transformer, circuit capacity, etc.). In reality, all cars charging at once is an unlikely scenario, but engineers would need to design for that extreme possibility. In order to minimize the impact on builders and the utility grid, Vancouver's requirements allow the use of an EV EMS. Because most personal vehicles are parked for 8 to 10 hours per day at home, an EV EMS allows multiple vehicles to share a circuit. This significantly reduces construction costs and utility costs. In Vancouver's law, an EV EMS must ensure that every EV charging outlet receive at least 12kWh over an 8-hour period. This means that, even if a vehicle is plugged into every single outlet at once, all EVs will receive enough energy for the next day (about 50 miles with today's EV technology, or about twice the average daily distance driven on O'ahu).

Blue Planet Foundation would be happy to provide draft language to the Committee accomplish this and ensure that we have a smart EV-ready policy for new construction on O'ahu that maximizes the benefits of clean transportation and smart buildings for all.

Conclusion

The proposed Honolulu building energy code amendments in Bill 25 CD1 are sensible, cost-effective, and flexible. They are a meaningful response to our climate crisis and the need to decrease the cost of living for O'ahu residents. Blue Planet Foundation strongly supports Bill 25's adoption with our proposed amendment to increase the EV-ready provision to handle Level 2 charging in all new parking stalls. We are happy to answer any questions about this proposed bill or our testimony. Mahalo for this opportunity to provide testimony.

From: CLK Council Info
Sent: Tuesday, January 21, 2020 1:29 PM
Subject: Public Infrastructure, Technology and Sustainability Speaker Registration/testimony

Speaker Registration/Testimony

Name	Ernie B Pigao
Phone	8087739906
Email	hikino1487@gmail.com
Meeting Date	01-23-2020
Council/PH Committee	PTS 24
Agenda Item	EV Policy Bill 25
Your position on the matter	Support
Representing	Organization
Organization	BLue Planet Foundation
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67



Electrification Coalition

January 22, 2020

The Honorable Ron Menor, Chair, and
Members of the Honolulu City Council,
Committee on Zoning, Planning, and Housing
530 South King Street, Room 202
Honolulu, Hawai'i
96813

Re: Bill 25(2019) – SUPPORT

Dear Chair Menor and Committee members:

The Electrification Coalition is pleased to offer this letter of support for the Bill 25 Energy Code Update with the CD2 amendments as offered by Council Member Elefante, to help accelerate electric vehicle adoption and for Hawaii to achieve its goal of transitioning all transportation to renewable fuels by 2035.

The Electrification Coalition (EC) is a nonpartisan, not-for profit group of business leaders committed to promoting policies and actions that facilitate the deployment of electric vehicles on a mass scale in order to combat economic, environmental, and national security dangers caused by our dependence on oil. Electric vehicles plug into a grid that is domestic, diverse, and can insulate our businesses and consumers from the volatile nature of oil prices.

The Electrification Coalition has supported EV ready requirements around the country as an important policy that can help accelerate EV adoption. Making charging more convenient and accessible to consumers by requiring small investments at the time of construction will save developers and consumers money while building access to charging to power the future of transportation.

We strongly support this effort by Hawaii to put in place policies that provide the foundation for higher rates of EV growth in the state with passage of this ordinance relating to the adoption of the state energy conservation code.

If you have any questions, about this letter or the Electrification Coalition's role, please don't hesitate to reach out.

Sincerely,

Benjamin Prochazka
National Director - Electrification Coalition
303-717-3657
www.ElectrificationCoalition.org

1111 19th Street, NW, Suite 406 Washington, DC 20036



Good for the Economy.
Good for the Environment.

November 7, 2019

The Honorable Ron Menor, Chair, and Members
Committee on Zoning, Planning and Housing
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawai'i 96813

RE: Bill 25, Building Energy Code – SUPPORT

Dear Committee Chair Menor and City Councilmembers:

On behalf of E2 (Environmental Entrepreneurs) and our more than 5,000 members and supporters nationwide, I am writing in support of Bill 25. I urge you to support a strong building energy code, which would set robust standards for new construction related to energy efficiency, electric vehicle (EV) charging, solar power readiness, and solar hot water heating. Bill 25 will drive Honolulu's clean energy economy, spurring investment and local job growth.

E2 is a national, nonpartisan group of business leaders, investors, and professionals from every sector of the economy and every state in America – including Hawai'i - who advocate for smart policies that are good for the economy and good for the environment. Our members have founded or funded more than 2,500 companies, created more than 600,000 jobs, and manage more than \$100 billion in venture and private equity capital.

A strong building code is critical to achieving the goals laid out in Honolulu's Resilience Strategy, passed unanimously earlier this month by the City Council. It also represents an enormous opportunity for the city to provide the policy direction necessary to create a sustainable, affordable future for its residents and businesses alike. **A strong code will establish Honolulu as a cleantech leader, helping to grow the clean energy economy by driving investment and local job creation.**

Bill 25 will ensure that Honolulu continues to lead in rooftop solar deployment and electric vehicle adoption while creating the city's homes, apartments, stores, and offices of the future—buildings with smaller carbon footprints and cheaper utility bills. The promise of savings resulting from implementation of a strong code is real. With the "tropical code" driving energy efficiency that reduces energy use, as well as increasing use of solar hot water heaters, building owners and renters will enjoy significant savings on their utility bills. These savings will drive additional consumer spending, further stimulating the economy.

A strong code will bolster Honolulu's clean energy economy. Hawai'i already has more than 13,500 clean energy jobs, including 4,100 solar jobs, according to analysis performed by E2 based on the [2019 U.S. Energy and Employment Report](#). With just 3,200 fossil fuel jobs throughout the state – including just a few hundred at Hawai'i Gas –

Environmental Entrepreneurs • www.e2.org • facebook.com/e2.org • [@e2org](https://twitter.com/e2org)

Mid-Atlantic • Midwest • New England • New York • Northern California • Pacific Northwest • Rocky Mountains • San Diego • Los Angeles

Hawai'i already has more than four times as many jobs in clean energy as in fossil fuels. This strong clean energy economy job creation is a direct result of smart public policy. Advancing strong codes through Bill 25 will provide the market signals needed to keep clean energy job growth and investment robust in the years to come.

Hawaii is an EV adoption leader, and this is driving demand for the type of EV ready homes these smart building energy codes will create. According to [Pacific Business News](#), Hawai'i has the second highest per-capita rate of electric vehicle (EV) adoption in the country, after only California, and is among the nation's top ten EV markets.

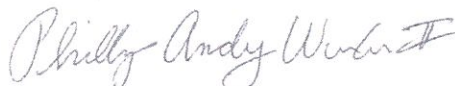
With a strong energy code, Honolulu can accelerate its clean energy success story. Passage of the code will develop the market structures necessary to develop Honolulu's cleantech market and lead to local job growth. Greater energy efficiency requirements will drive demand for more energy efficiency experts and installers in Honolulu. Solar-ready rooftops means more demand for additional solar photovoltaic installers in Honolulu. Requiring more EV charging infrastructure will ease the path for EV adoption and drive demand for more EV charging infrastructure technicians in Honolulu.

The opportunity is clear. A strong energy code is Honolulu's chance to reap the economic benefits of smart clean energy leadership – these codes will drive investments and local job growth. E2 and our community of business leaders call on you to support a strong energy code.

We appreciate the opportunity to comment. Please contact me at awunder@e2.org if you have any questions.

Respectfully,

Sincerely,

A handwritten signature in cursive script that reads "Philly Andy Wunder".

Andy Wunder
E2 Western States Advocate



January 22, 2020

Bill 25(2019) CD1: Energy Code Update

Re: Hawaii City and County of Honolulu Bill 25(2019) CD1: Introduction of EV Readiness

Dear Chair Menor, Vice Chair Waters, and members of the Committee.

Thank you for your continued attention on Bill 25(2019) CD1 and related support. Forth **strongly supports** the Bill 25 Energy Code Update to help Hawaii's journey towards 100% clean energy. Forth is a nonprofit partner to the City of Honolulu for the Bloomberg American Cities Climate Challenge with a mission to promote and support the advancement of electric mobility.

Bill 25 directly supports the Administration's commitment to transform all ground transportation to renewable fuels by 2035. It also resonates with the latest version of the International Energy Conservation Code (IECC); which is what the Hawaii's state energy code is based on. Access to convenient charging is a key factor in consumers' decisions to purchase an electric vehicle (EV), according to the International Energy Agency Global EV Outlook 2017. It is paramount to create a conducive environment for EV adoption by putting the EV charging infrastructure in place. Furthermore, the International Code Council (ICC) has just passed an amendment to its IECC to include requirements for 20% of EV-Ready infrastructure in Multi-Unit Dwellings and Commercial Buildings.

Bill 25 is a great example of prudent and thoughtful leadership on EV facilitation that takes previous examples and best practices into consideration. Recently, San Jose adopted a reach code that requires all new multi-family buildings must include 70% of EV-capable spaces, 20% of EV-Ready spaces, and at least 10 % of spaces with charging equipment. In comparison to the 20% EV-Ready of the latest IECC and the ordinance of San Jose, the 25% EV-Ready requirement of Bill 25 is a reasonable requirement that takes into account of both today's reality and the future trend of the island.

Forth's experience has been that addressing and planning for electric transportation early can lead to an acceleration in the implementation of electric vehicle charging infrastructure and EV ownership and use. Costs for such efforts, according to our partners in the building and trade sectors, can be de minimis and should not detract from the overall benefits from such action. Best practices such as these are being implemented around the country and stand out as one of the easiest ways to support a long-term transition to electric transportation.

If you have any questions about this engagement or Forth's role please don't hesitate to reach out.

Best,

Zach Henkin

Deputy Director, Forth

503.803.3036

2035 NW Front Ave, Portland, OR 97209

forthmobility.org



Hawai'i Energy

1132 Bishop Street, Suite 1800 • Honolulu, Hawai'i 96813 • HawaiiEnergy.com • P: (808) 839-8880 • F: (808) 441-6068

Council of the City and County of Honolulu
City Hall, 530 South King Street
Honolulu, Hawai'i 96813

**Committee on Zoning, Planning and Housing
Testimony in Support of Bill 25 (2019) - Relating to the Adoption of the State Energy
Conservation Code
January 23, 2020, 10:00 AM Hearing**

Dear Chair Menor, Vice Chair Waters and Members of the Committee on Zoning, Planning and Housing:

Thank you for the opportunity to submit comments on Bill 25, Relating to the Adoption of the State Energy Conservation Code. The Hawai'i Energy program would like to testify in **strong support** for this item.

Hawai'i Energy works on behalf of the Hawai'i Public Utilities Commission (PUC) to empower island families and businesses to make smart energy choices to reduce energy consumption, save money, and pursue a clean energy future. We believe the new energy codes are critical in this effort and part of a global movement to make progress on climate change mitigation through codes and standards.

Energy efficiency remains the cheapest, cleanest energy resource today. The amended IECC 2015 will provide healthy and safe indoor environments while providing substantial bill savings for occupants over the life of the building, promote greater energy resilience and help Hawai'i reach our statewide commitment to reach 100% clean energy by 2045. In general, any building code is designed and reviewed for efficiency with cost-effectiveness in mind. Moreover, the Hawai'i amendments were carefully developed with the input of many agencies, organizations and the design and construction industry to minimize unintended consequences such as increased construction, materials and labor costs – while assuring occupants the benefits of high performance buildings that consume less electricity.

Electric vehicle charging infrastructure requirements

According to global research consulting firms McKinsey & Company and the Bloomberg New Economy Forum, electric vehicles are expected to reach cost parity with internal combustion engine (ICE) vehicles in the early 2020s. Consumer adoption of EVs will be swift and Hawai'i must be poised to meet this demand. Policymakers have an important role in supporting market transformation in this area.

Hawai'i Energy therefore supports the amendments requiring basic electric vehicle infrastructure, recognizing the sizable cost advantage, **between four to eight times less expensive**, of having EV-ready capacity at the time of construction. However, Hawai'i Energy also sees missed opportunity by not requiring Level 2 charging infrastructure. As EV adoption increases, Bill 1585 which was signed by the governor this year gives rebates for workplace and multi-unit Level 2 EV chargers. Level 2 charging is emphasized because it significantly increases the ability of our grid to absorb solar generation throughout the day as opposed to Level 1 charging, and additional offers convenience in faster charging times. This will ease the path toward electric vehicle adoption by reducing the cost to install post-construction and help realize the associated electrical grid and clean energy benefits. With the average residential building having a fifty year lifespan, the buildings being built today will have measurable impact on future generations.

Substantial Benefits to Taxpayers from the Fully Implemented Code

The Blue Planet Foundation, based on data provided by the Hawai'i State Energy Office, estimates that over the next 20 years, Oahu will save over **\$971,000,000** through the implementation of the 2015 code and the amendments in the subject Bill. This is money that can stay in the local economy rather than being used for fossil energy or imported renewable infrastructure.

The sensible energy code amendments in the proposed Building Energy Conservation Code of the City and County of Honolulu, represent a critical opportunity for Oahu to make a leap forward in the transition to 100% clean energy and will provide lasting economic benefits to residents and businesses who are already burdened with high costs. We encourage the Committee to pass the adoption of these provisions.

Thank you for the opportunity to testify. If you have any questions on Hawai'i Energy's programs or our work toward the adoption of stronger energy codes, please do not hesitate to contact me.

Sincerely,



Brian Kealoha
Executive Director



January 23, 2020

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2019, 10:00 AM hearing

Aloha Chair Menor and members of the Zoning, Planning and Housing Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Energy policy can have a great impact on society and health. Energy efficiency and conservation are seen as effective means of limiting energy use and demand to reduce public health impacts. The significant, cost-effective changes proposed in Bill 25 will help to dramatically reduce the greenhouse gas emissions from our new homes and buildings while helping to foster our transition to clean transportation. Changes that include energy efficiency measures, solar heating and electric vehicle-readiness will create higher efficiency standards and energy cost-savings to help our island progress towards a livable, stable future.

Thank you for the opportunity to provide testimony on important health issues affecting people in Hawai'i.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Claire Townsend Ing", with a long horizontal flourish extending to the right.

Claire Townsend Ing, DrPH
Legislative Committee Chair



Testimony in support of Bill 25

COMMITTEE ON ZONING, PLANNING AND HOUSING

Hearing Thursday, January 23, 2020

Aloha Chair Menor, Vice-Chair Waters and Committee Members,

I am writing in strong support of Bill 25, CD 2.

These concrete measures will help us achieve the important goals our City and our State have committed to in order to slow and eventually reverse Climate Change.

The amended Bill has well thought out and practical measures. It amends our outdated building energy code, closes the loophole that has allowed developers to install gas rather than solar water heaters, and makes our infrastructure "EV ready" with AC Level 2 electrical rating.

Though Bill 25 CD2, you will leave a legacy of weaning us from expensive, imported fossil fuels as well as reducing the living costs to our residents.

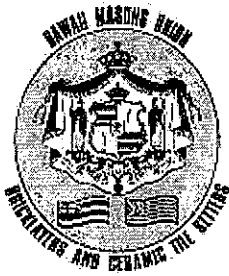
Mahalo,

A handwritten signature in black ink that reads "Lisa Marten". The signature is fluid and cursive, with the first name "Lisa" and last name "Marten" clearly distinguishable.

Dr. Lisa Marten

Executive Director
Healthy Climate Communities
healthyclimate@hawaii.rr.com

LOCAL #1 HI, IUBAC



International Union of Bricklayers and Allied Craftworkers Local #1 of Hawaii

2251 North School Street, Honolulu, HI 96819

Phone: (808) 841-8822 • Fax: (808) 777-3456

The Honorable Ron Menor, Chair
The Honorable Tommy Waters, Vice Chair
Committee on Zoning, Planning and Housing
530 South King Street, Room 200, Honolulu, Hawai'i 96813

Statement of Local 1 in Support of Bill 25, Proposed CD2

Dear Chair Menor, Vice Chair Waters, and Members:

The International Union of Bricklayers and Allied Crafts, Local 1, appreciates your diligent work on Bill 25 thus far.

We support the Proposed CD2 for Bill 25, which incorporates amendments will help the code to be best tailored to Hawaii's unique tropical climate to help consumers and builders alike achieve energy efficiency and cost savings.

Specifically, we appreciate the amendments made to Subsection C402.2.3 of the code, found in Paragraph (12) on Page 6 of the Proposed CD2. We are pleased that these amendments have come with supportive input from various stakeholders, including our members and signatory contractors who perform work relating to concrete, brick, tile, stone, marble, terrazzo, cement, and plaster.

In closing, we thank you in advance for your favorable consideration of the Proposed CD2, and look forward to your continued support of the hardworking men and women in Hawaii's construction trades.

January 21, 2020

The Honorable Ron Menor, Chair, and Members
Committee on Zoning, Planning and Housing
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawai'i 96813

SUBJECT: Testimony Supporting Bill 25 (2020)

Dear Chair Menor and Committee Members:

On behalf of the Natural Resources Defense Council (NRDC) and NRDC Action Fund, which have over 3 million members and activists, nearly 7,500 of whom are residents of Honolulu, I am writing to urge you to support Bill 25 (2020), as amended by Councilmember Elefante, which updates Honolulu's outdated energy code for new construction.

Bill 25 has the potential to cut energy bills by up to 65 percent for Honolulu renters and homeowners, and will help put Hawai'i on the path to 100 percent clean energy. These efficiency updates will be more affordable over the long term for residents, make homes more efficient and healthier, and help reduce island-wide climate pollution so the City can meet its ambitious goals to help solve the climate crisis.

Bill 25 will also give O'ahu residents access to: energy-efficient new homes so residents save money on utility bills; home water heating that uses O'ahu's abundant solar energy instead of fossil fuels; more electric vehicle (EV) charging capacity at homes and businesses; more capacity for solar panels on the roofs of new homes; and more flexibility for builders to use super-efficient tropical building standards

Energy Code Updates: Meeting Honolulu's Climate Goals, Helping Residents Save Money

Cities and counties across the country are on the front lines of both the impacts and solutions to the climate crisis. Building codes are a simple, powerful tool cities are now using to accelerate the transition to a clean energy economy and meet the emissions reductions goals set forth in the Paris climate agreement and adopted by Hawai'i and Honolulu. The proposed amendments up for adoption by the City Council will protect residents from being stuck with higher energy and maintenance costs year after year. They will also close a long-standing loophole around solar hot water heating, help homeowners easily install rooftop solar panels by requiring new homes to be "photovoltaic (PV)-ready," and support the growing adoption of electric vehicles. The proposed amendments will also create significant island-wide benefits in the form of new jobs and cleaner air.

Among the many benefits associated with the proposed code update, Bill 25 will: cut energy bills up to 65% going forward; help Honolulu achieve its climate goals; get O'ahu buildings EV-ready at a stage when it is 4-8 times cheaper (at new construction); expand local clean energy jobs (Hawaii already has four times more jobs in clean energy than in fossil fuels); reduce the need for imported oil; and improve indoor and outdoor air quality.

Energy Code Updates Save Residents Energy

Honolulu's current energy code has not been revised since 2006; it is 14 years out of date. Ongoing code updates help residents save energy and reduce energy costs and emissions. Bill 25 is critical to reduce long-term costs for residents, with more efficient buildings that reduce energy bills and give more people access to savings that come from solar energy and EVs. A six-year-old home constructed to the 2015 International Energy Conservation Code would use approximately 25% less energy than a house built under the current (2006) code.

Solar Hot Water Heating is Cost Efficient and Environmentally Friendly

Solar hot water systems would allow residents to take full advantage of O'ahu's abundant sunshine. Hawaii has plenty of solar energy available at very low cost, and electric and natural gas prices are among the highest in the United States.¹ Increasing adoption of solar for all uses helps to reduce O'ahu's high use of imported oil, which has historically led to Hawaii being the state with the highest U.S. retail power prices. This will help build local energy resilience and self-sufficiency. Solar hot water heating will help reduce the 9% of O'ahu's carbon emissions that come from residential energy use and is a critical element to meet the City's commitment of 100% renewable energy by 2045.²

With the hot water heater loophole closed, residents could expect to avoid the equivalent of 26 -47 barrels of imported oil and save between \$4,200 and \$8,800 over a typical water heater lifetime (15 years). This translates to about \$1 billion in environmental and cost savings for O'ahu's economy at large, according to modeling done for the City by The Greenlink Group.

EV-Readiness Accelerates Clean Transportation, Lowers Charging Costs, and Provides Greater Access

O'ahu has among the highest take-up rates of electric vehicles (EVs) across the United States, but existing building infrastructure does not support this growing use and demand. With the use of EVs expected to rise to over 22,000 by 2030, homes and businesses need to support the transition to clean electric vehicles. Acting later to retrofit O'ahu's parking spaces with charging stations would be far more costly than

¹ Energy Information Administration.

https://www.eia.gov/dnav/ng/ng_pri_sum_a_EPG0_PRS_DMcf_m.htm.

² Honolulu Annual Sustainability Report, 2019,

https://www.honolulu.gov/rep/site/ccsr/City_and_County_of_Honolulu_Annual_Sustainability_Report_2019.pdf.

requiring EV readiness up front. Acting now is also far less expensive than failing to act to address climate change impacts, which O'ahu residents are already experiencing.

Multiple studies nationally have found that the avoided cost associated with requiring new -construction to be EV-ready ranges from \$2,000 to \$5,000 per parking space.³ Building in EV readiness avoids those costs. With proposed amendments to Bill 25 requiring EV-readiness, these avoided costs will total from \$1.4 million to \$3.4 million, and developers, homeowners, and renters will all benefit.

EV-readiness in new construction is an essential ingredient to support the City's commitment to transform all ground transportation to renewable fuels by 2045. On-road transportation accounts for 21% of O'ahu's polluting carbon emissions.⁴ EVs are expected to reach cost parity with gas-powered cars in the early 2020s—and today, used EVs are very affordable. Already, Honolulu has the 8th highest EV market share in the nation, and Hawai'i has the 2nd highest EV adoption rate per capita in the country.⁵ Honolulu must get its infrastructure ready to meet that demand.

Bill 25 is Affordable

Bill 25 will improve long-term housing affordability for Honolulu residents and tenants. While it would add about \$3,000 to \$5,000 dollars to the average cost of new construction—about 1 percent of the median condo price, or half a percent of the median single-family home price—this initial investment will more than pay for itself over time through utility bill savings and, in the case of EVs, through avoided gasoline purchases.⁶ Assuming a 30-year mortgage, the average up-front cost would translate to approximately \$10/month, and utility bill savings are expected to be approximately \$53/month.⁷ **Overall, this totals a \$43/month savings.**

Plus, newly proposed parking reforms also under City Council consideration (Bill 2) will give developers even more flexibility to save money on parking construction costs for homes and EV readiness. Being able to build less parking will more than offset the

³ <https://www.documents.dgs.ca.gov/bsc/2015TriCycle/CAC/Green/Exhibit-B-CARB-Cost-Analysis-and-Technical-Report.pdf>; <http://evchargingpros.com/wp-content/uploads/2017/04/City-of-SF-PEV-Infrastructure-Cost-Effectiveness-Report-2016.pdf>; <https://energy-solution.com/wp-content/uploads/2016/09/PEV-Infrastructure-Cost-Effectiveness-Summary-Report-2016-07-20b.pdf>.

⁴ Honolulu Sustainability Report, 2019, https://www.honolulu.gov/rep/site/ccsr/City_and_County_of_Honolulu_Annual_Sustainability_Report_2019.pdf.

⁵ <https://www.bizjournals.com/pacific/news/2018/11/16/honolulu-among-top-10-electric-vehicle-markets-in.html>

⁶ Up-front cost estimates: Department of Planning and Permitting, *Bill 25 (2019)*. Median home prices: Locations Hawaii, "Oahu Real Estate Report," December 2019. <https://www.locationshawaii.com/learn/market-reports/oahu-real-estate-report/>

⁷ This assumes 33% reduction on the average residential household electric bill; City estimates of savings are 33-65%. (see ref. 6)

relatively small costs associated with Bill 25; each parking space in Honolulu currently costs an average of \$25,000 to \$48,000 to build.⁸

Honolulu residents support Bill 25

Honolulu voters want action on climate change. Over 74 percent of O'ahu residents support building codes that include energy efficiency, solar hot water heating, and EV charging, even if they cost more up front but result in lower energy bills, according to a 2019 public opinion poll.⁹

To protect and promote the health, safety, resiliency, and economic prosperity of Honolulu and its residents, we urge you to support Bill 25 (2020).

Thank you for the opportunity to submit these comments.

Sincerely,

A handwritten signature in cursive script, appearing to read "Maria Stamas".

Maria Stamas, Esq.

Buildings Strategist, American Cities Climate Challenge

Natural Resources Defense Council / NRDC Action Fund

⁸ Kathleen Rooney and Donald Shoup, "There's No Such Thing As Free Parking," *Honolulu Civil Beat*, December 9, 2019. <https://www.civilbeat.org/2019/12/theres-no-such-thing-as-free-parking/>

⁹ Nathan Eagle, "Poll: Oahu Voters Want Action On Climate Change," *Honolulu Civil Beat*, November 25, 2019. <https://www.civilbeat.org/2019/11/poll-oahu-voters-want-action-on-climate-change/>



SHIFTED ENERGY®

643 Ilalo St #203, Honolulu, HI 96813
Telephone: +1.808.664.0053 | Email: info@ShiftedEnergy.com

Zoning, Planning and Housing committee

REGULAR MEETING COMMITTEE MEETING ROOM THURSDAY, January 23, 2020, 10:00 A.M.

January 21, 2020

Shifted Energy Supports Bill 25 Relating to the adoption of the State Energy Conservation Code

Aloha Chair Menor, Vice-Chair Waters and members of the Zoning, Planning and Housing Committee:

Thank you for the opportunity to submit testimony in **strong support** of Bill 25. The inclusion of grid-interactive water heater requirements within the Solar Water Heating mandate, in alignment with the International Energy Conservation Code, provides an important tool to enable Hawai'i to meet its renewable energy goals while ensuring that all ratepayers benefit from the realization of those goals.

Shifted Energy was founded in Hawai'i in 2014 from the energy efficiency and energy justice activities of non-profit Kanu Hawai'i. During our community engagement and outreach activities, we identified two key lessons that are relevant to the Council's current deliberations:

- 1) Low and moderate-income families, multi-family dwelling residents, and renters are often not able to take advantage of emerging technologies, such as rooftop solar and home battery systems, that would reduce their electric bills and allow them to support renewable energy deployment; and
- 2) Electric water heating is the predominant form of water heating and makes up a disproportionately large percentage of many Hawai'i residents' electric bills.

Shifted Energy was incubated out of Kanu Hawaii with the goal of engaging hard-to-reach communities in the renewable energy transformation through the utilization of their electric water heaters. We currently employ 6 people on Oahu, have just hired a new engineering graduate who we connected with through HTDC, and look forward to continuing building our company in Hawaii in support of local innovation and job creation.

To understand the concept of 'grid-interactive water heating', it is important to first understand that Hawaii's 100% renewable energy generation portfolio mandate is requiring Hawaiian Electric to integrate increasing amounts of intermittent renewable energy. The intermittent nature of renewable energy generation means that 1) electricity production is not always aligned with customer demand, and 2) there are often rapid fluctuations in generation as clouds pass overhead. So as Hawaiian Electric adds more renewable generation to Oahu's electricity system, they must also:

- 1) Add ways to store solar energy for delivery later in the day;
- 2) 'Smooth' the rapid fluctuations to maintain the stability of the power grid; and
- 3) Reduce total electricity demand during periods when renewable generation is not high (e.g., during the night) through energy efficiency or demand *shifting*.

As the Council is likely aware, grid-scale and customer-sited energy storage batteries are able to provide all of the above services and Hawaiian Electric is actively procuring solar and energy storage projects to do just that. But these batteries typically utilize lithium-ion chemistry, which is currently fairly expensive (preventing many homeowners from being able to purchase them) and present safety issues that make procurement, permitting, and deployment a challenge. Safe, inexpensive alternatives would enable rapid scaling of energy storage technology and in the integration of renewables.

Enter Grid-Interactive Water Heating.

Water heater tanks are essentially large cylinders that store *thermal* energy, and there are hundreds of thousands of them across Oahu. Shifted Energy has developed an inexpensive, non-intrusive control device that can be attached to any electric water heater to convert it into a customer-sited battery. When deployed for apartment or condominium renters and owners, Shifted's controllers essentially transform the entire building into a giant battery simply by upgrading existing electric water heater assets. These batteries will then respond to control signals from Hawaiian Electric to support grid stability and renewable integration. Hawaiian Electric then compensates the host customer for the 'grid support services' that those water heaters provide and Shifted's intelligent software ensures that families always have hot water when they need it.

Because so many families already have such water heaters and the cost of the controller is low, including grid-interactive water heating in Bill 25 and the City and County electric codes ensures that hard-to-reach families can finally participate in and benefit from the clean energy revolution and Oahu can rapidly scale a cost-effective technology to support safe, low-cost renewable energy integration.

For the foregoing reasons, Shifted Energy **strongly supports** this measure.

Mahalo,

Forest Frizzell, CEO
Shifted Energy

From: CLK Council Info
Sent: Tuesday, January 21, 2020 4:11 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Alexandra Kahn
Phone 4102075560
Email policy@surfrider.oahu.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Organization
Organization Surfrider Oahu
Do you wish to speak at the hearing? No

Bill 25 Testimony:

Aloha Chair Menor and Vice Chair Waters-

I know that you are both aware of the global climate crisis and see the effects of it everyday on our small island. While we were able to pass Bill 40 last year, which will have a big impact on the types of waste we generate on this island, it's just one small step in the microcosm of issues. It is not enough to just deal with plastics, or compost, or clean water, or energy sources, or pesticides, or agriculture- we must do it all and in coalition because these are all interwoven systems.

Written
Testimony

Each year since 2015, Hawaii has been furthering their leadership role when it comes to environmental policy and the world is paying attention to what we are doing. Changing things at a state level is a difficult taste, but it's easier to accomplish if we first make county changes. Utility costs are one of the highest costs to a business operation, but it doesn't have to be. It also doesn't have to come from fossil fuels- we are surrounded by more renewable energy sources amongst our islands than probably anywhere else in the world.

As an island, we have been making strides in waste reduction, plastics, solar and wind energy, pesticides, farming and more, but as a state we set out these grand sustainability benchmarks to meet and it's essential that we make certain changes in our community in order to meet them. While our solar and wind projects are expanding rapidly, there is still SO much more we could do and have to do to speed us along our track to 100% renewable energy and a carbon neutral state by 2045. It is essential that we look at our buildings and

their carbon footprint if we want to make real progress. States, countries, and counties across the world have issued regulations on new buildings with no problems. These buildings are more sustainable for the long term and built with the future in mind- which we should always do when building anything meant to last long term.

As much of the island does not have AC and no one has heat, water heating is one of the greatest percentages of our electric bills and energy uses. However, our water can be heated through solar, so why not do it?

Electric cars are taking off at a staggering rate, but the amount of charging stations currently on this island cannot keep up. I personally cannot get an electric car because my work requires me to travel to too many places on the island where there are NO options for charging at all. My building also does not have a charging station. I have friends with EV's who complain that they can never find a place to charge. Our goal is to get off of oil and coal as a state so how can we not provide the necessary infrastructure to encourage further purchasing of vehicles and other aspects of life that power through renewable energy and not oil and coal?

Lasting, our building efficiency codes. These codes are being looked at by cities across America because of the affiliated carbon footprint. Just like all other regulations that are put in place, updating is always required as technology and costs change with time. There is nothing novel about this situation, it's just time for an update that fits our current lifestyle.

I know you both care about the environment and human impact. You care about making our world a better place for our children. Dealing with energy efficiency in preparation for the future and to get us up to date with where we should be is just a part of the package deal.

It is only the construction companies that would ever oppose these measures due to cost. But isn't your allegiance to your constituents who want to live in a cleaner Oahu? You have the support of every nonprofit on Bill 25- in fact, we wish it was even stricter. But I would rather we start the conversation and improve upon it, then do nothing. I have worked with New Buildings Institute- a nonprofit out of Portland Oregon- entirely dedicated to energy efficiency of the built environment, and I am happy to work with you on this Bill.

To echo one of the students in a hearing for Bill 40- if not now, when?

Mahalo for your time!

Alexandra Kahn
Policy Coordinator for Surfrider Oahu

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67



**City Council
City and County of Honolulu
January 23, 2019 at 10 a.m.
Bill 25 (2019)**

Aloha Chair Menor and Members of the Committee:

Tesla appreciates the opportunity to submit this testimony regarding Bill 25 (2019) which would modify the Honolulu Energy Code to establish an EV-ready infrastructure requirement. Absent convenient and widespread access to EV charging, the willingness of individuals to purchase an electric vehicle will be limited. Parking spaces where customers already park their vehicles for 8-10 hours, like at their place of residence or work, are ideal candidates for the deployment of charging infrastructure.

For this reason, Tesla strongly supports reforming the energy code to ensure that newly constructed parking facilities serving multi-unit residential buildings and workplaces have the necessary electrical capacity and wiring to support the deployment of EV charging. A very modest investment at the time of construction can ensure that EVs are a viable and practical option for a broader cross section of Hawaiians and dramatically reduce the cost of deploying this infrastructure as compared to retrofitting charging solutions after the fact. Tesla also rejects the arguments presented by some stakeholders that suggest that doing this imposes unreasonable costs that will materially impact the cost of housing. This is simply not true. Tesla has repeatedly provided rigorous cost estimates which show the costs of meeting the proposed EV requirements is a small fraction of what this policy's detractors are claiming.¹

As originally conceived, the bill called for a fairly straightforward requirement, essentially requiring that at least 25% of the spaces in newly constructed parking facilities are EV-ready. While Tesla has concerns about the definition of what qualifies as EV-ready in the context of parking facilities serving multi-unit residential building which, pursuant to the CD1 version of the bill, envisioned a requirement that would allow the deployment of wiring and capacity sufficient to provide "Level 1" charging (equivalent to a standard home outlet) to be deemed sufficient for this sector, as an overall framework and approach, we strongly supported the measure. It is similar to similar measures that have been adopted in numerous other jurisdictions and which have proven effective in achieving the intended aim.

¹ See "Plug-In Electric Vehicle Infrastructure Cost-Effectiveness Report for San Francisco"; Energy Solutions and Pacific Gas and Electric, November 17, 2016; <http://evchargingpros.com/wp-content/uploads/2017/04/City-of-SF-PEV-Infrastructure-Cost-Effectiveness-Report-2016.pdf>



However, the CD2 versions of the bill embody a much more complex approach, where rather than a uniform percentage-of-spaces requirement, building developers must accumulate a certain number of points. For multi-unit residential buildings, the number of points they must achieve is calculated as 1 point for every 4 spaces in newly constructed parking facilities with 8 or more stalls. For commercial buildings, the number of points they must achieve is calculated as 1 point for every 4 spaces in newly constructed parking facilities with 12 or more stalls. Furthermore, these versions of the bill ascribe different point values to different types of infrastructure. Additionally, the bill discounts the compliance obligation based on other factors, like whether the host facility serves retail customers or affordable housing units. The revised bills also gives developers the ability to aggregate their compliance obligations, which, as Tesla understands it, would allow one building to, in effect, under-comply relative to the requirement that would be otherwise applicable, provided other buildings in the developer's portfolio or future phases of a given project over-comply

Tesla's principle concern is that under this revised scheme reflected in the two revised versions of the bill the impact of the policy will be severely diluted. For example, for a planned 40 unit parking facility serving a multi-unit dwelling, the developer would need to accumulate 10 points. Under the revised bill this could entail deploying Level 2 EV ready infrastructure to serve 10 individual stalls or deploying Level 3 (DC fast charging) EV ready infrastructure at 1 common area stall. Tesla fundamentally disagrees with the premise that the latter is equivalent to the former in terms of the benefits it provides and its ability to effectively support EV adoption. Our experience suggests that most customers would prefer to have more reliable or dedicated access to level 2 charging at their place of residence rather than relying on a single DC fast charger that is shared and thus will not be predictably available.

The ability to aggregate the compliance obligation as proposed in the CD2 version of the bill is also deeply problematic, compounding the issue discussed above and will further subvert the policy objectives of this initiative. Fundamentally Tesla believes that for EV adoption to accelerate, charging solutions need to be widely available and located where drivers are likely to park anyway. The benefit of a simple, flat percentage-of-parking-stall requirement is that it ensures that all parking facilities subject to the requirement will have an acceptable amount of EV ready infrastructure available. In contrast, under the framework provided under the CD2 version of the bill, some parking facilities may end up with almost no infrastructure deployed.

Tesla is further concerned with the significantly reduced requirements for affordable housing units. Given the relatively small cost of deploying EV ready infrastructure if done at initial construction, the upshot of this approach will be limit the ability of low-income households to adopt EVs, by reducing their access to charging solutions as compared to non-low income



households. This threatens to literally build inequitable access to EVs into the building stock in Hawaii.

Finally, one of the CD2 versions proposes an alternative compliance pathway through which a developer can propose alternative vehicle charging technologies subject to certain defined parameters and subject to approval by the Department of Planning and Permitting. Tesla sees little value in this provision and is concerned that it adds additional complexity and uncertainty to what will ultimately get deployed. Additionally, the charge level suggested by the parameters included in the bill suggests acceptance of Level 1 charging as sufficient to drive adoption, a view that Tesla strongly disagrees with.

For all of these reasons, Tesla believes the amended versions of the bill are step backwards that, if adopted, will significantly reduce the efficacy of the policy in driving EV adoption by dramatically reducing the amount and accessibility of charging infrastructure that is ultimately deployed. It will also be much harder to police relative to the more straightforward framework of the bill's earlier version. We encourage the City Council to stick with the prior framework, albeit with the amendment that compliance require the deployment of Level 2 EV-ready infrastructure regardless of whether the building is a multi-unit residential building or a facility serving commercial entities. As noted in prior testimony that Tesla has submitted on this bill Level 1 charging is simply too slow to support future EV adoption for vehicles with longer ranges.

Thank you for the opportunity to provide testimony on this important measure.



Email: communications@ulupono.com

HONOLULU CITY COUNCIL COMMITTEE ON ZONING, PLANNING AND HOUSING
Thursday, January 23, 2020 — 10:00 a.m. — Committee Meeting Room

Ulupono Initiative Strongly Supports Bill 25, Relating to the Adoption of the State Energy Conservation Code

Dear Chair Menor and Members of the Committee:

My name is Amy Hennessey, and I am the Senior Vice President of Communications & External Affairs of Ulupono Initiative. We are a Hawai'i-based impact investment firm that strives to improve our community's quality of life by working toward solutions that create more locally produced food; increase affordable clean, renewable energy and transportation options; and better manage freshwater and waste resources.

Ulupono strongly supports Bill 25 – which updates the City's Building Energy Conservation Code to help make our residential and commercial buildings more energy-efficient. It supports energy-efficient new homes, strengthens the solar water heating requirements, expands access to electric vehicle (EVs) charging capacity, ensures solar power access for new homes, and promotes the use of super-efficient tropical building standards. Updates to the City's Building Energy Conservation Code can help achieve 33-65 percent more annual energy reductions in home buildings compared to current code requirements.

Of particular note, EVs are a critical part of our climate and transportation energy future:

- EVs provide immediate GHG emissions reductions. EVs produce zero-emissions at the tailpipe, and even when full lifecycle emissions (from manufacturing through disposal) are considered, EV emissions are approximately 50 percent lower than internal combustion engine vehicles. Here in Hawai'i, they become cleaner every year.
- EVs can alleviate Hawai'i's high cost of living. In one study, rural drivers in Hawai'i saved \$417 per year by switching from gasoline to electricity.
- EVs are prime for market acceleration from public support. We have more EVs per capita than any other state, except California, but declining availability of charging infrastructure. In 2015, there were 8 EVs for every public charging station in Hawai'i, and in 2018, there were 13 EVs per charger.

Requiring qualifying facilities to be "EV-ready" is smart future-proofing. Just this month, the International Code Council (ICC) voted to update its building standards to include EV-ready provisos. The rationale was that the cost of retrofits is significantly more expensive than when installed upfront, and such an upfront investment is a relatively small part of the total building cost. The ICC approval only validates the County's proposal and market need for EV-ready policies.

Investing in a Sustainable Hawai'i

999 Bishop Street, Suite 1202 | Honolulu, Hawai'i 96813 ☎ 808.544.8960 📠 808.432.9695 | www.ulupono.com

The only concern we have about this bill relates to reducing the EV-ready requirement for affordable housing. While we respect the sensitivity to increasing housing costs, we believe EV-readiness has minimal impact to a home's monthly budget and, more importantly, gives those households the opportunity to actually reduce their overall cost of living.

A recent case study in San Francisco estimated the costs of EV-readiness at the time of construction to be less than \$1,000 per parking spot. Even if the costs were \$2,000 per spot, these additions would only increase the price of a condo by 0.5-0.7 percent. This equates to an increase in a typical 20 percent down payment by \$400 and a monthly mortgage (or related rent) by less than \$10 per month. In addition, EV drivers stand to save \$35 or more per month by driving electric, so this policy actually enables residents to lower their cost of living rather than pricing Hawai'i families out of such benefits since the costs to retrofit can be exorbitantly expensive. In order to ensure these cost-savings for all community members, this policy needs to cover affordable housing so that future benefits are not limited to those with financial resources. A better alternative to reduce the cost of affordable housing would be to eliminate the minimum parking requirements altogether. A structured parking space costs more than \$45,000 to build, so eliminating unneeded parking can have a material impact on the cost of affordable housing and more than make up for the very small cost of EV-readiness.

Limiting the EV-ready requirement will ultimately hurt those most burdened by transportation costs in the future – many of whom have mobility challenges or significant barriers to mass transit access and use. Rather than helping them access a less expensive transportation option, we will only continue to make it available to those of means. One concerning component of the proposal, which allows developers to aggregate EV-readiness across projects, can actively work against providing this access to these community members. The most likely outcome will be to add these capabilities to the highest cost projects, rather than provide broad community access.

As our energy issues become more complex and challenging, we appreciate this committee's efforts to look at policies that support clean ground transportation.

Amy Hennessey, APR
Senior Vice President, Communications & External Affairs



COMMITTEE ON ZONING, PLANNING AND HOUSING

Honolulu City Council

January 23, 2020, 10:00 AM

TESTIMONY IN SUPPORT OF BILL 25 CD1

Relating to the Adoption of the State Energy Conservation Code

Aloha Chair Menor, Vice Chair Waters, Members of the Honolulu City Council Committee on Zoning, Planning and Housing,

My name is Jun Shin. I am the Environmental Justice Action Committee Chair for the Young Progressives Demanding Action (YPDA), an organization whose members work toward building a Hawai'i that is just, equitable, and sustainable through community organizing and issue advocacy. YPDA is in **support** of **Bill 25 CD1**, Relating to the Adoption of the State Energy Conservation Code.

Experts continue to come out with reports such as the Fourth National Climate Assessment and the United Nations Intergovernmental Panel on Climate Change (IPCC) reports discussing the existential threat of climate change, the negative impacts it will have on our society, economy, and our natural resources, while highlighting the need for immediate action by our leaders.

There is a lot of work that needs to be done to effectively combat climate change, but Bill 25 is a great step in the right direction. Solar energy heating our water, building at least 25% of infrastructure needed for EV (Electrical Vehicle) readiness, and just making sure O'ahu's buildings are efficient as possible in how it uses energy is an important step in helping us to reach our goal of 100% renewable energy.

However as an organization whose membership and leadership consists of Millennials and younger, we know that meaningful progress is when both working people and the environment thrive hand in hand in a state where families live paycheck to paycheck and young people are moving away because they can't afford a decent standard of living. Bill 25 has the potential to help working families while protecting our environment. Being efficient with energy usage such as using solar instead of gas to heat water will help in reducing monthly electric bills, unloading at least some of the burden off of both those who own homes, as well as those who are renting their

homes. This is an issue of economic justice, as well as it is an environmental issue. For a livable and equitable Hawai'i future for all, it is important that this committee, and eventually the full City Council passes the strongest version of this measure.

Please protect Hawai'i's, and work to preserve it for the benefit of future generations. We look forward to continuing to work with the City to take proper action on climate change. Young Progressives Demanding Action respectfully asks for the committee to **support Bill 25 CD1** and that you please **strengthen it further**, leading the way for future climate resilient policies, and further incorporation of climate resiliency into everyday decisions made by our leaders.

Thank you for the opportunity to testify,

Jun Shin,
Environmental Justice Action Committee Chair
Young Progressives Demanding Action (YPDA)
Honolulu, HI 96814
Cell: 808-255-6663
Email: junshinbusiness729@gmail.com
CC: action@ypdahawaii.org

EAH



A NONPROFIT
HOUSING CORPORATION

January 22, 2020

Chair Ron Menor, Vice Chair Waters and Members of the Honolulu City Council
Committee on Zoning, Planning and Housing
Honolulu Hale
530 South King Street
Honolulu, Hawaii 96813

Subject: Opposition to Bill No. 25 (2019) CD2 Relating to the Adoption of the State Energy Conservation Code, Hearing at 10:00AM on January 23, 2020

Chair Menor, Vice-Chair Waters and members of the Committee:

I am Kevin Carney, Vice President of EAH Housing. EAH is a 51-year-old non-profit public benefit corporation whose mission is to develop, manage and promote quality affordable rental housing. We are one of the largest non-profit affordable rental housing developers in the western United States. We have developed over 100 affordable rental properties, manage 185 rental properties (over 10,000 leases) and we serve over 22,000 residents in communities in California and Hawaii. The people we serve are primarily those with incomes at or below 60% of the area median income (AMI). For Honolulu that translates to a maximum income of \$72,400 for a family of four. Studies have shown that the greatest need for housing is at the 80% AMI level and below.

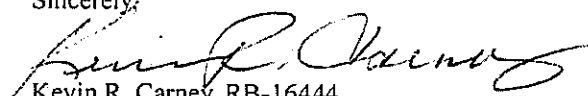
As you may imagine, developing affordable rental housing for the low-income portion of our community requires a great deal of subsidy to maintain rents, including utility costs, that are equivalent to 30% or less of income – the HUD definition of affordable housing. EAH is opposed to the proposed adoption of the State Energy Conservation Code if it will be applied to affordable housing at 80% AMI and below because it will increase the costs of development to serve this income group. This means that those of us working to provide housing for those most in need will have to rely more on government subsidies that are competitive, time consuming, inconsistent and difficult to obtain.

As long-term owners and managers (EAH have never sold a property) we strive to produce housing that is sustainable and as energy efficient as possible to reduce our operating costs. And, we also work with our residents to provide them with educational materials on how they can reduce energy within their units.

A primary example of how Bill 25, CD2, will drive up our costs and we don't believe is applicable to our housing and the people we serve, is the Electric Vehicle requirements. According the latest statistics I have seen from Blue Planet only 1% of our total Oahu population currently owns an Electronic Vehicle. Requiring our projects to reserve precious parking spaces for electric vehicles which our resident population cannot afford is a ridiculous waste of space. Electric vehicles are an expensive luxury item well outside the means of the residents we serve. Hopefully, one day, all of us will be able to afford Electric Vehicles but I do not see that happening in the next 5 years, perhaps in 10 years, but not now! So why add to the cost of producing affordable rental housing now for something that MAY NOT be needed for possibly 10 years or more!

To summarize, legislation which increases our costs is not the way to help us build more affordable housing for those most in need. Please exempt housing at 80% AMI and below from the requirements in adopting the State Energy Conservation Code. Developers need flexibility in order to build what we can finance, we need more incentives, exemptions, fee waivers, etc., to get the job done! Thank you for allowing us to share our concern on this issue.

Sincerely,



Kevin R. Carney, RB-16444
(PB), NAHP-E
Vice President, Hawaii

Hawaii Regional Office
1001 Bishop Street, Suite 2880
Honolulu, Hawaii 96813
808 523-8826 ■ Fax 808 523-8827

■ Creating community by developing, managing and promoting quality affordable housing since 1968.

Main Office
2169 East Francisco Blvd., Suite B
San Rafael, California 94901-5331
415 258-1800 ■ Fax 415 453-4927



Hawaii
Habitat
for Humanity®
Association

January 22, 2020

Committee on Zoning, Planning and Housing
Chair, Ron Menor
Vice Chair, Tommy Waters
Council Members, Elefante, Kobayashi and Manahan
Thursday, January 23, 2020, 10 a.m.

**BILL 25, CD1 – RELATING TO ADOPTION OF THE STATE ENERGY
CONSERVATION CODE**

Aloha Councilmembers:

I am submitting testimony on behalf of Hawaii Habitat for Humanity, Department of Treasury certified nonprofit Community Development Financial Institution (CDFI) and Habitat's Oahu affiliated organization, Honolulu Habitat for Humanity and Habitat for Humanity Leeward Oahu, to OPPOSE Bill 25, CD1.

Bill 25, CD1 would regulate the design and construction of residential and commercial building for the effective use of energy through the adoption of the State Energy Conservation Code.

While our organizations deem action on energy conservation to be critical to the long-term well-being of our island communities, and in fact, include solar water heaters, as well as working on installing photovoltaic energy systems, where we can, on the construction of new and renovated for sale housing for low income families, we oppose legislation that we believe unfairly impacts the increase in the cost of construction.

Under Bill 25, CD1 electric vehicle parking requirements would not only increase the construction costs that are then passed down to already cost-burdened families, it mandates a requirement that currently is not affordable to the families, that of owning an electric vehicle, for which a required parking spot would be built.

Habitat for Humanity is a nonprofit developer of affordable housing for our extremely -low, very-low and low-income households that earn up to 80% of the HUD Area Median Income (AMI). Low income families are currently unable to afford to purchase electric vehicles and will have no use for charging station parking stalls. Parking is already at a premium in multi-family developments and conserving

2051 Young St.#82
Honolulu, HI 96826
808-847-7676
www.hawaiihabitat.org

parking stalls that will sit empty for vehicles that are not currently being driven by the residents makes no sense.

Our Habitat organizations recommend that the Electric Vehicle parking requirement be removed, or at least delayed for 10 years, specifically for affordable housing developments built for households at 80% AMI and below. Should these changes be made to Bill 25, CD1 we would stand in support of the bill.

Not only is the cost of Bill 25, CD1, Electric Vehicle parking requirements a cost burden, but there is no demand for such parking in our developments, since the cost of electric vehicles is out of reach for our low-income families.

Please consider a change that will not cost-burden Hawaii families that are already struggling with housing. These households do not need more pressure on their already stretched income.

Mahalo for your time and consideration. Please contact me directly at 808.847.7676 or email me at jean@hawaiihabitat.org should you have any question or need additional information.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jean Lilley".

Jean Lilley
Executive Director



200 North Vineyard Boulevard, B140
Honolulu, HI 96817
Ph: 808-587-7886
Toll Free: 1-866-400-1116
www.hawaiiancommunity.net

January 21, 2020

Committee on Zoning, Planning and Housing
Thursday, January 23, 2020, 10am

**Bill 25, CD1 – RELATING TO ADOPTION OF THE STATE ENERGY
CONSERVATION CODE**

Aloha Councilmembers:

I am submitting testimony on behalf of Hawaiian Community Assets (HCA), the State's largest Department of Housing and Urban Development (HUD) approved housing counseling agency and its Department of Treasury certified nonprofit Community Development Financial Institution (CDFI), Hawaii Community Lending, to **OPPOSE Bill 25, CD1**.

Bill 25, CD1 would regulate the design and construction of residential and commercial buildings for the effective use of energy through the adoption of the State Energy Conservation Code.

While our organizations deem action on energy conservation to be critical to the long-term well-being of our island communities, we oppose any legislation we believe unfairly impacts economically underserved households and communities that have, and continue to, struggle to afford to live in Hawaii and raise a family. Legislation promoting energy conservation should impose costs first-and-foremost on middle- and high-income households that can afford said costs instead of increasing cost of living on our extremely-, very-low and low-income households.

Under Bill 25, CD1 electric vehicle parking requirements would increase construction costs on nonprofit developers of affordable housing for our extremely-low, very-low and low-income households that earn up to 80% the HUD area median income. These increased costs on our nonprofit developers will in-turn increase the housing rents and sales prices of homes for our workers and working families who are one paycheck away from complete financial ruin while their income and opportunities for asset building remain stagnant.

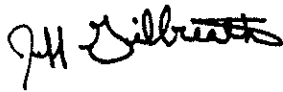
Our organizations **recommend to remove – or delay implementation –** of the electric vehicle parking requirements under Bill 25, CD1, specifically for affordable housing units built for households earning up to 80% the HUD area median income. In order to implement this recommendation for our extremely-low, very-low and low-income households, our organizations further recommend the committee remove discounts from the legislation for ALL market-rate housing units built for households earning above 80% the HUD area median income. Should these changes be made to Bill 25, CD1, we would stand in support of the bill.

At a time when our State has less than 8 nonprofit developers and these nonprofit developers are the only entities with the business model capable of building the 26,238 affordable housing units needed for households earning up to 80% the HUD area median income in our State, we need to ensure that public policy is not placing the financial burden of transitioning toward greater energy conservation on the backs of those who cannot afford their cost of living today and cannot afford them to increase anytime soon.

The cost of Bill 25, CD1, specifically related to the electric vehicle parking requirements, should be paid for by middle- and high-income households above 80% the HUD area median income who live in market-rate housing. If our public officials continue to bring forward policies that increase the cost of living on our extremely-, very-low, and low-income households as is currently proposed in Bill 25, CD1 with electric vehicle parking requirements, our organizations fear it will place greater financial hardship on our families earning at or below 80% the HUD area median income and leave them with few options – leave (if they can afford it) or live without a home.

Mahalo for your time, leadership and consideration. Please contact me directly at 808.587.7653 or jeff@hawaiiancommunity.net should you have any questions or need additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Gilbreath". The signature is fluid and cursive, with the first name "Jeff" and last name "Gilbreath" clearly distinguishable.

Jeff Gilbreath
Director of Lending and Development



TESTIMONY OF TINA YAMAKI
PRESIDENT
RETAIL MERCHANTS OF HAWAII
January 23, 2020

Re: BILL 25 (2019) RELATING TO ENERGY CODE

Good morning Chairperson Menor and members of the Honolulu City Council's Committee on Zoning Planning and Housing. I am Tina Yamaki, President of the Retail Merchants of Hawaii and I appreciate this opportunity to testify.

The Retail Merchants of Hawaii (RMH) is a statewide not-for-profit trade organization is committed to support the retail industry and business in general in Hawaii. The retail industry is one of the largest employers in the state, employing 25% of the labor force.

The Retail Merchants of Hawaii currently OPPOSES Bill 25 (2019) CD1 Relating to the Energy Code as presently written. **We are in SUPPORT of Council member Ann Kobayashi's Draft of Bill 25 (2019).**

Retailers continue to be concerned about our aina and have supported many initiatives that preserve and protect our environment. However, The Retail Merchants of Hawaii does not support Bill 25 (2019) CD1 as presently written or Council Member Brandon Elefante's draft. These bills mandate that all new commercial buildings that have twelve or more parking stalls must have at least 25 percent of the parking stalls be electric vehicle charger ready.

EVs still makes up only 1% of the cars on Hawaii's roadways with our understanding that the majority of the EV ownership is in the urban areas. Since January of this year, Tesla made up 72% of the new EVs sold in Hawaii. Automobile manufactures like Jaguar, Audi, BMW and Mercedes Benz have joined Tesla in launching high profile electric cars this year as well.

While we understand the City Governments want to reach their energy goal, we must also look at the bigger picture in an effort to protect the consumer and the price of living in Hawaii.

Mandating the installation of EV ready parking stalls will increase the overall cost of living in Hawaii even higher than it is now. Hawaii is already well known to have a high cost of living. PayScale states that in Hawaii the national average is 88% higher than the rest of the nation. Hawaii's housing is 202% higher, utilities 89% higher and groceries 62% higher. <https://www.payscale.com/cost-of-living-calculator/Hawaii-Honolulu>

Who will ultimately pay for the EV charger infrastructure at retail locations and shopping malls? It will be everyone regardless if they drive an EV or not as the cost will be passed on to **our kupuna, keiki, family friends and neighbors - the consumer - when they purchase food, clothing, school supplies, healthcare products, electronics and more.** The mandates that call for a 25% minimum of EV ready charging stations for new construction would be passed on to the mall tenants in the form of higher rent or a Common Area Maintenance Charge (CAM), who intern would pass the cost on to the customer. We are already seeing a mass exodus of our local residents moving to the mainland where it is cheaper to live. Many of our retailers statewide are already operating on a thin margin, especially mom and pop stores who cannot afford to absorb the increase. **Businesses are already closing their doors as they can no longer afford to keep them open due to the higher cost of rent or customers stop coming because they can find the items cheaper online.** This year alone, we have already seen a few long-time restaurants and stores closing for good citing the increase in rent and the cost of doing business in Hawaii.

The proposals do not consider the ADA parking requirements needed for car and van accessibility. At least one of the stalls has to be ADA compliant as well as be van accessible. The ADA stall(s) could not be included as an EV charger stalls as not all ADA vehicles are electric. By law only EV can park in EV designated charging stalls and only ADA permitted vehicles can park in ADA stalls.

This mandate may discourage businesses from renovating or repaving the pothole ridden parking lots. We question what is considered new construction? Is it from the dirt to roof? Is it hard renovations? Is expansions of current buildings going to be considered new construction? Is repaving the parking lot going to be considered new construction?

Retailers and shopping malls already provide these "reserved parking spaces" and many with a FREE charging station for electric vehicles. **Shopping malls and retailers outside of the urban areas find that their EV charging stations are not being used very often.** We believe that the market and customers should continue be the influencers in business trends and operations and not government mandates. **New shopping centers, especially in the urban core areas are already including an increase in EV chargers and EV charger ready stalls when building and expanding.**

Retailers and Shopping Centers are not in the business of refueling/recharging. Many of our members have found EV drivers in the surrounding neighborhood and condominiums come to plug into the retailers charging stations to avoid increasing their electric bill at home or because their complex does not have EV charging capabilities. The EV stalls come at a cost to businesses who must provide additional security, signage, towing and more when people try to charge their cars after the malls are closed. Furthermore, these residents leave their cars AND are not shopping in the stores while their batteries are being recharged during mall hours. Thus, these residents are taking away the EV stall from customers coming to shop and who may turn away if there is no EV parking.

We are concerned that government will begin to mandate "reserved parking stalls" for all of the various types alternative gas powered vehicles and that businesses with large parking lots would just become a reserved parking charging station for the public and not able to offer convenient parking for the customers that actually shop in the stores. New technology is constantly being developed regarding the actual charging station. However, organizations such as the Society of Automotive Engineers (SEA) and companies such as Qualcomm have been helping develop new wireless charging standards which may become integrated into all future EVs. <https://www.landmarkdividend.com/ev-charging-stations/> New battery technologies are being investigated by major players, promising greater densities and longer ranges. **We would also like to point out that with the advancement of technology, the newer model Electric Vehicles can travel further distances.** There are also other cars being developed that uses alternatives to traditional gas-powered car like that of hydrogen fuel cell.

The only concern that we have with Council Members Kobayashi's draft that mandates of Commercial Electric Vehicle Infrastructure Compliance for vehicle charger ready parking stalls for off street parking. The number of off-street parking stalls are left blank and it is our understanding that not all commercial property requires off street parking.

We should be encouraging a new cottage industry to build quick charging stand alone stations like that of a traditional gas station. We are already seeing and should be encouraging Hawaiian Electric Company to install more fast charging stand-alone stations. As well as offering an incentive for others to follow.

Government mandates like this does drive up the cost of doing business that in turn drives up the cost of living in Hawaii. **We urge you not to impose another government mandate on retailers that would drive up the cost of living in Hawaii and ask that you exempt retail from this measure.**

Again mahalo for this opportunity to testify.



The Honorable Ron Menor, Chair
The Honorable Tommy Waters, Vice Chair
Members of the Committee on Zoning, Planning
and Housing
City Council, City and County of Honolulu
Honolulu, Hawaii 96813-3077

RE: Bill 25 (2019) – RELATING TO THE ENERGY CODE
Hearing date: January 23, 2020 at 10:00 am

Aloha Chair Menor and members of the committee,

Mahalo for the opportunity to submit testimony on behalf of Castle & Cooke Homes Hawaii, Inc. offering comments to Bill 25 (2019), as well as the proposed amendments.

We oppose the Department of OCSSR's CD 2 of Bill 25. We strongly support the working groups proposed version of Bill 25.

Castle & Cooke has been a local developer that has built over 25,000 homes and plan to build another 3500 more in the next decade. We are building energy efficient homes for the future while keeping in mind affordability for our local families. We fully support the goal to reduce the dependency on oil and carbon fuels and the movement to alternative energy efforts. However, we are concerned that in the effort to make our city more energy efficient the proposed bill raises the cost of affordable homes in Hawaii and will increase the cost of living in which Honolulu is currently ranked 3rd in the nation and Hawaii is the most expensive state.

Affordable housing is recognized as the top concern facing Hawaii's people. We cannot condone the effort to continue to increase costs regardless how lofty the goal may be.

The proposed bill mandates that 25% of the stalls for multi-family and affordable homes projects be EV ready. This added cost will be placed on the future home buyers of affordable housing. Our working group proposal proposes to exempt all affordable housing projects from this requirement. We believe community charging stations fueled by clean energy of the sun should be made available in public parking lots and work areas.

The proposed bill also mandates all homes including units in a multi-family building be PV ready for a 5KW system. This is not physically possible for multi-family buildings because there is not enough roof space on a multi-family building for each unit to have its own independent system. Therefore, we propose one and two family detached homes meet this requirement, but multi-family homes be exempt.

We urge that this committee to have the courage to see a balance between energy efficiency and the need for affordable housing by reducing the cost impacts on affordable housing. We recommend to defer passing of this bill or amend Bill 25 to exempt affordable housing from these mandates as proposed by the working group CD 2 of Bill 25.

Mahalo for your consideration,

Darian Chun

Senior Site Engineer

Castle & Cooke Homes Hawaii, Inc.

Our working group version of bill 25 increases the cost of housing but exempts affordable housing from these requirements.

We are in support of the work group version of the CD 2 of Bill 25.



January 21, 2019

The Honorable Ron Menor, Chair
The Honorable Tommy Waters, Vice Chair
Members of the Committee on Zoning Planning and Housing
City Council, City and County of Honolulu
Honolulu, Hawaii 96813-3077

RE: **Bill 25 (2019), CD1 – RELATING TO THE ENERGY CODE**

Aloha Chair Menor and Members of the Committee on Zoning, Planning and Housing,

Mahalo for the opportunity to submit testimony on behalf of D.R. Horton with comments and concerns regarding Bill 25 (2019), CD1 ("Bill 25, CD1") and the CD2 amendments proposed by the Office of Climate Change, Sustainability and Resiliency ("OCCSR's Proposed CD2"). Over the last 3 months, D.R. Horton has participated in working sessions with OCCSR, Hawaiian Electric Company ("HECO"), Hawaii Gas, industry and union leaders as well as other developers to learn, share and collaboratively work towards finding a practical and reasonable balance between sustainability and much needed affordable housing. We do not believe OCCSR's Proposed CD2 strikes that balance. We respectfully submit the attached Exhibit A, proposed CD2 amendments coordinated and compiled by a stakeholder group focused on providing much needed housing for Hawaii's families ("Stakeholder Proposed CD2").

D.R. Horton is one of Hawaii's largest home builders and has been providing affordable housing, "first time buyer" and "first time step up" homes for Hawaii's families throughout Oahu for over forty years. D.R. Horton is also a leader in energy efficient, sustainable and smart homes and supports the City's efforts to promote sustainability. In fact, D.R. Horton has committed to an overall sustainability plan for its Ho'opili master planned community in East Kapolei. Under the Ho'opili plan, D.R. Horton has included numerous sustainable features in the homes including:

- **Edible Urban Gardens** – fruit trees and edible planting within each single-family home multi-family condos, common area parks and green spaces
- **EV Ready Homes & Townhomes with Enclosed Garages**
- **PV Ready Homes with Enclosed Garages**

Oahu • Maui • Hawaii Island • Kauai

130 Merchant Street, Suite 112 • Honolulu, Hawaii 96813 • 808.521.5661

www.drhorton.com/hawaii

- **Smart Home System** – Alexa based multi-platform wireless network integrating lighting doorbell camera, front door lock, garage door operation and appliances with buyer option for future add on integration such as security and air conditioning
- **Energy Efficient Air Conditioning** - High efficiency variable speed ductless split AC with minimum 20 SEER rating
- **Tankless Instant Gas Water Heaters** - with a suite of energy saving gas appliances
- **Grid Interactive Water Heaters ("GIWH")** - Participation in HECO's GIWH program
- **Dual Glazed Windows**
- **LED Lighting**
- **Water Conserving Features** - low flow plumbing fixtures, Energy Star appliances, and wireless water submeters at multi-family condo units to track individual unit usage
- **Ceiling Fans** – Buyer's option
- **Solatube** – Installed in 10% of homes and offered as a buyer's options
- **Solar Attic Fan** - Installed in 10% of homes and offered as a buyer's options
- **Refuge Recycling** – within multi-family condominium communities
- **Recycled Water** - Participation in the City's R1 recycled water system infrastructure
- **Multi-use Pathway Network** – throughout Hoopili
- **Bike Lane Network** – throughout Hoopili
- **Bike Parking** – uncovered and covered throughout Hoopili

While D.R. Horton absolutely agrees that it is critical for an island state like Hawaii to address and mitigate the impacts of climate change, we also believe that the lack of housing, particularly affordable housing, is another critical issue facing our State and hampering the ability for our local families to remain in Hawaii. Policy makers at all levels have recently identified the lack of affordable housing as a top priority needing our collective attention. Given this, we are very concerned with the approach Bill 25, CD1 and OCCSR's Proposed CD2 and the impacts these amendments could have on our already fragile housing market. As represented by OCCSR at our working group meeting on October 23, 2019, OCCSR's goal of Bill 25 is to reduce the cost of living over the long term with less consideration given to the increase in initial upfront costs Bill 25 will create. OCCSR's CD1 and Proposed CD2 are doing just that, significantly increasing the upfront costs of housing today by upwards of \$20,000 per unit. Hawaii's families need affordable and attainable housing today. Accordingly, we strongly urge the Chair and the members of this committee to adopt the Stakeholder's Proposed CD2 that strikes a balance between sustainability and housing affordability.

There are four primary issues with Bill 25 CD1 and OCCSR's Proposed CD2:

1. Subsection C406.8 Electric vehicle infrastructure:

Issue: CD1 proposes a 25% flat mandate for newly constructed residential multi-unit and commercial buildings with eight or more new parking stalls. This "one size fits all" approach does not work. Housing developments differ greatly

depending on many factors such as location, parcel size, zoning, infrastructure, density, market, etc. A flat requirement across the board cannot be meaningfully implemented equally amongst the variety of creative housing solutions needed to successfully bring more housing online.

Issue: OCCSR's Proposed CD2, suggests a more reasonable "menu and point" approach. However, it greatly increases the minimum electric vehicle charging capacity level by excluding Level 1 and Level 2-16A charging capacities, both very common and applicable for residential charging. It also proposes a point-based compliance table that lacks a rational nexus to baseline charging capacities that should be set by Level 1 and Level 2-16A charging capacities.

Proposed Stakeholder Solution: D.R. Horton agrees in principal to a menu and point approach but proposes that the charging capacity menu be expanded to add back in Level 1 and Level 2-16A charging capacities, both initially contemplated by OCCSR. We also propose a point system rooted in a Total Vehicles Charged ("TVC") analysis using Level 1 and Level 2 16A charging capacities as a practical baseline. Furthermore, the Stakeholder's Proposed CD2, developed over several months of consultation with other home builders, the construction industry, labor industry, auto industry and HECO, sets forth a menu and point approach that provides:

- a. Flexibility to evaluate a combination of solutions relative to the type of housing development (ie. high rise, mid-rise, low rise, townhouse, open parking, attached enclosed garages, etc.) to creatively provide and ultimately maximize TVC opportunities appropriate for each specific project.
- b. Recognition of and flexibility for future advancements in electric vehicle technology.

For example, in a 300-unit multi-family development with private enclosed attached garages to each unit, it makes the most sense for a home builder to include a Level 1 dedicated charging option in each unit. Homeowners will conveniently plug in when arriving home after work and charge their EV car overnight. This would result in immediate charging capacity in 100% of the units at minimal cost to the owner. However, in a 300-unit condominium project where parking is assigned and built at grade, the cost to install the required underground infrastructure totals upward of \$10,000 per unit. Conduits and wiring will need to be installed between the EV ready stall and the unit it serves. The menu and point tables in Stakeholder's Proposed CD2

will allow developers the ability to evaluate combinations of charging capacities and equitable point incentives to maximize TVC opportunities and EV charging equipment installations by the developer. The potential installation of EV charging equipment by the developer will provide immediate charging opportunities that currently elude many condominiums due to the difficulty in managing and funding the equipment installation by homeowner associations.

2. Subsection C406.8 Electric vehicle infrastructure as it relates to affordable housing:

Issue: Although OCCSR's Proposed CD2 language proposes a 20% and 40% exemption for affordable for sale and affordable rental housing respectively, it is not enough. The additional cost to fulfill the EV mandate on the remaining affordable units will add significant cost to the housing strata that is the most difficult to develop and for the resident demographic that is in the most need.

Proposed Solution: a full exemption for affordable housing at or below 140% AMI is necessary to the viability of already highly subsidized affordable housing cost models.

3. Subsection R403.5.5 Solar water heating:

Issue: OCCSR's Proposed CD2 language includes solar water heating requirements that mirrors the language set forth in HRS Section 269-44.

Proposed Solution: In order to avoid confusion and contradictory requirements between the City and State, now and in the future, Bill 25 should simply defer to HRS Section 269-44. Furthermore, potential discussions amending HRS Section 269-44 could occur during this current legislative session creating an immediate and unfortunate disconnect between requirements.

4. Subsection R404.2 Solar conduit and electrical panel readiness:

Issue: OCCSR's Proposed CD2 requires that new multi-family residential buildings install PV ready infrastructure that includes dedicated space for inverters, metering equipment, battery storage equipment, other interconnect equipment and roof space for a minimum 5 Kilowatt photovoltaic system for each unit. While D.R. Horton and other housing advocates are in absolute agreement that single-family and two-family dwellings should be PV ready, what OCCSR's Proposed CD2 is requiring for multi-family units is impractical, physically difficult (if not impossible) to accommodate and will ultimately reduce the number of housing units due to the extensive PV Ready space requirements

Our engineers studied the requirement based on a typical 12-plex townhouse building that D.R. Horton currently builds and sells as affordable and market housing. They prepared the diagrams attached to this testimony identified as Exhibits B, C and D. The diagram in Exhibit B shows the number of PV panels required to meet the minimum 5kW photovoltaic system mandated for each of the 12 units. Note that the panels shown in yellow are required, however do not physically fit on the roof. The diagram in Exhibit C depicts the electrical equipment that is needed for each of the 12 PV systems and the wall space required to house the applicable equipment. Note the diagram of the current electrical equipment for this typical townhome and the extraordinary size increase this mandate would require. Finally, the diagram in Exhibit D shows how the current 4'-0" x 14'-0" electrical closet will need to enlarge to a 9'-0" x 45'-0" electrical room to accommodate enough wall space for the PV ready infrastructure OCCSR's Proposed CD2 is requiring. Essentially, the equipment would require space equivalent to one-unit. Consequently, the PV mandate would result in a decrease of 1 unit in each building, or an 8.3% decrease of units (25 units) in a 300-unit project. This reduction in inventory is counterproductive to the City and State's goal to incentivize the development of more affordable housing. This PV Ready mandate for multi-family housing simply put, does not fit.

Proposed Solution: Only detached one- and two-family dwellings shall be PV Ready. It is feasible and physically possible. Multi-family Dwelling Units (MUD) should look to HECO's Community Based Renewable Energy programs to more practically and effectively benefit from PV systems.

On a final note, kindly allow me to address the overarching increased cost implication that Bill 25, CD1 and OCCSR's Proposed CD2 will have on today's buyer demographic at Hoopili. Hoopili is a large master planned community in East Kapolei selling multi-family and single family homes to affordable buyers, first time home buyers and first time move up buyers. In September of 2019, D.R. Horton analyzed a sampling of 40 homebuyer loan capacities. Of the 40 loans, 28 were conventional loans and 12 were Fair Housing Act ("FHA") loans. The average debt-to-income ratio of this sampling was 42-44%, anything higher would result in loan disqualification. The estimate cost increase that Bill 25, CD1 and OCCSR's Proposed CD2 is projected to create in totality is upwards of \$20,000 per unit. Any slight increase in monthly mortgage payment under these loans would result in disqualify 11 of the 28 conventional loan buyers and 8 of the 12 FHA loan buyers. **In short, if Bill 25, CD1 or OCCSR Proposed CD2 were in effect in September of 2019, 48% of buyers seeking a loan to purchase a home in Ho`opili would not have qualified for a mortgage.**

The Honorable Ron Menor, Chair
The Honorable Tommy Waters, Vice Chair
January 22, 2020
Page 6

In summary, based on the serious concerns set forth above, together with our belief that the Council would want to balance both our sustainability and housing challenges, D.R. Horton strongly urges you to adopt the Stakeholder's Proposed CD2 (attached as Exhibit A) or in the alternative provide stakeholders additional time to continue working on these highly technical issues to ensure the best possible solution for both of these critical policy objectives.

Mahalo for your time and consideration. It is very much appreciated. Should you have any questions, please do not hesitate to contact me at #782-4109.

Sincerely,

A handwritten signature in black ink, appearing to be 'Tracy' followed by a stylized surname.

Tracy Tonaki
Senior Vice President



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

ORDINANCE _____

BILL **25 (2019), CD2 (Draft)**

A BILL FOR AN ORDINANCE

RELATING TO THE ADOPTION OF THE STATE ENERGY CONSERVATION CODE.

BE IT ORDAINED by the People of the City and County of Honolulu:

SECTION 1. Purpose. The purpose of this ordinance is to regulate the design and construction of residential and commercial buildings for the effective use of energy through the adoption of the State Energy Conservation Code (2017), subject to the local amendments herein.

SECTION 2. Chapter 32, Revised Ordinances of Honolulu 1990 ("Building Energy Conservation Code") is repealed.

SECTION 3. The Revised Ordinances of Honolulu 1990 is amended by adding a new Chapter 32 to read as follows:

"Chapter 32

BUILDING ENERGY CONSERVATION CODE

Article 1. Building Energy Conservation Code

Sec. 32-1/1 Adoption of the State Energy Conservation Code.

The State Energy Conservation Code (SECC), as adopted by the State of Hawaii on February 14, 2017, which adopts, with modifications, the International Energy Conservation Code, 2015 edition (IECC), as copyrighted by the International Code Council, is adopted by reference and made a part hereof, subject to the following amendments, which, unless stated otherwise, are in the form of amendments to the IECC 2015 edition:

- (1) Amending Section 3-181.1-6. Section C101.1 is amended to read:

C101.1 Title

This code shall be known as the Building Energy Conservation Code (BECC) of the City and County of Honolulu (CCH) or the CCH BECC referred to herein as "this code."

- (2) Amending Section C103.1. Section C103.1 is amended to read:

C103.1 General. When the requirements in this Code apply to a building as specified in Section C101.4, plans, specifications or other construction documents submitted for a building, electrical or plumbing permit required by the jurisdiction must comply with this code and will be prepared, designed, approved



A BILL FOR AN ORDINANCE

and observed by a design professional. The responsible design professional shall provide on the plans a signed statement certifying that the project is in compliance with this code.

Exception: Any building, electrical or plumbing work that is not required to be prepared, designed, approved or observed by a licensed professional architect or engineer pursuant to Chapter 464, Hawaii Revised Statutes (HRS).

- (3) Amending Subsection C103.2. Subsection C103.2 is amended to read:

C103.2. Information on construction documents. Construction documents must be drawn to scale upon suitable material or submitted in an electronic form acceptable to the code official. Construction documents must be of sufficient clarity to indicate the location, nature and extent of work proposed and show, in sufficient detail, pertinent data and features of the building, systems and equipment as herein governed. Details must include, but are not limited to the following, as applicable:

1. Insulation materials and their thermal resistance (R-values);
2. Fenestration U-Factors and solar heat gain coefficients (SHOCs);
3. Area-weighted U-factor and SHGC calculations;
4. Mechanical system design criteria and power requirements;
5. Mechanical and service water heating system and equipment types, sizes and efficiencies;
6. Economizer description;
7. Equipment and system controls;
8. Fan motor horsepower (hp) and controls;
9. Duct sealing, duct and pipe insulation and location;
10. Lighting fixtures schedule with wattage and control narrative;
11. Location of daylight zones on floor plans; and
12. Air sealing details.



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

ORDINANCE _____

BILL **25 (2019), CD2 (Draft)**

A BILL FOR AN ORDINANCE

All plans, reports, and documents must be certified by the project design professional or engineer, using the appropriate form shown below and submitted to the code official certifying that the plans and documents conform to the requirements of this code,

CITY AND COUNTY OF HONOLULU
REVISED ORDINANCE CHAPTER 32,
HONOLULU COUNTY CODE 1990, AS AMENDED

To the best of my knowledge, this project's design substantially conforms to the Building Energy Conservation Code for:

_____ Building Component Systems
_____ Electrical Component Systems
_____ Mechanical Component Systems

Signature: _____ Date: _____

Name: _____

Title: _____

License No.: _____

Include only those items that the signator is responsible for. This block shall be on the first sheet of the pertinent plan, e.g. architectural, electrical, and mechanical. The above may be submitted separately to the Building Official in a letter including the identification of the building.

- (4) Amending Subsection C104. Subsection C104 is amended to read:

C104.2 Required inspections. Inspections must comply with Chapter 16 of the ROH 1990 (as amended).

- (5) Amending Subsection C104.2.6. Subsection C104.2.6 is amended to read:

C104.2.6 Final inspection. The building must have a final inspection and cannot be occupied until approved. The final inspection must include verification of the installation of and proper operation of all required building controls, and documentation verifying activities associated with required building commissioning have been conducted and any findings of noncompliance corrected.

- (6) Amending Subsection C104.6 to read:

C104.6 Re-inspection and testing. Where any work or installation does not pass an initial test or inspection, the necessary corrections shall be made to achieve compliance with this code. The work or installation must then be



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

A BILL FOR AN ORDINANCE

resubmitted to the responsible code official for inspection and testing as required by this code.

- (7) Amending Subsection C104.7 to read:

C104.7 Approval. After a building passes all tests and inspections required by this code, the responsible design professional must submit a confirmation letter to the code official certifying that the building has passed all of the tests and inspections required and stating that the building owner has received the Preliminary Commissioning Report, as required by IECC Section C408.2.4.

- (8) Amending Subsection C107.1 is amended to read:

C107.1 Fees. Prescribed fees must comply with Chapter 18 of the ROE] 1990 (as amended).

- (9) Amending Subsection C108.1 is amended to read:

C108.1 Authority. Stop work order shall comply with Chapter 18 of the ROH 1990 (as amended).

- (10) Subsection C109.1 is amended to read:

C109.1 General. Board of Appeals shall comply with Chapter 16 of the ROH 1990 (as amended).

- (11) Amending Section C202 of the IECC. Section C202 is amended by:

- (a) **CODE OFFICIAL** means the Director of the Department of Planning and Permitting or the director's authorized representative.
- (b) **DWELLING UNIT** means a building or portion thereof that contains living facilities, including permanent provisions for living, sleeping, eating, cooking and sanitation, as required by this code, for not more than one family, or a congregate residence for 16 or fewer persons.
- (c) **RENEWABLE ENERGY** by reference to HRS §269-91, renewable energy means energy generated or produced using the following sources:
 - 1. Wind;
 - 2. Sun;



A BILL FOR AN ORDINANCE

3. Falling water;
4. Biogas, including landfill and sewage-based digester gas;
5. Geothermal;
6. Ocean water, currents and waves, including ocean thermal energy conversion;
7. Biomass, including biomass crops, agricultural and animal residues and waste, and municipal solid waste and other solid waste;
8. Biofuels; and
9. Hydrogen produced from renewable energy sources.

(12) Subsection C402.2.3 is amended to read:

C402.2.3 Thermal resistance of above-grade walls. The minimum R-value of materials installed in the wall cavity between framing members and continuously on the wall shall be as specified in Table C402.1 .3, based on framing type and construction materials used in the Wall assembly.

Exception: Continuous insulation for wood and metal framed walls are not required when one of the following conditions are met:

1. Walls have a covering with a reflectance of equal to or greater than 0.64 and/or overhangs with a projection factor equal to or greater than 0.3;
2. Walls have overhangs with a projection factor equal to or greater than 0.3. The projection factor is the horizontal distance from the surface of the wall to the farthest mast point of the overhang divided by the vertical distance from the first floor level to the bottom-most point of the overhang; or
3. Concrete, Concrete masonry units (CMU), and similar mass walls are six inches or greater in thickness.

The R-value of integral insulation installed in CMUs shall not be used in determining compliance with Table C402,1.3. Mass walls shall include walls:

1. Weighing not less than 35 psf (170 kg/rn2) of wall surface area.
2. Weighing not less than 25 psf (120 kg/m2) of wall surface area where the



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

ORDINANCE _____

BILL **25 (2019), CD2 (Draft)**

A BILL FOR AN ORDINANCE

material weight is not more than 120 psf (1900 kg/rn3).

3. Having a heat capacity exceeding 7 Btu/ft²F (144 cal/cm²• K).
4. Having a heat capacity exceeding 5 Btu/ft²E (103 kJ/m² K), where the material weight is not more than 120 pcf (1900 kg/rn3).

Exception: Concrete, CMU, and similar mass walls are six inches or greater in thickness.

- (13) Subsection C402.4.1.2 is amended to read:

C402.4.1.2 Increased skylight area with daylight responsive controls. The skylight area shall be permitted to be not more than five percent of the roof area provided daylight responsive controls complying with Section 0405.2.3.1 are installed in daylight zones under skylights.

Exception: Spaces where the designed general lighting power densities are equal to or less than 60 percent of the lighting power densities specified in Table 0405.2(1) or 0405.4.2(2).

- (14) Subsection C403.2.4.2.4 is amended to read:

C403.2.4.2.4 Door switches. Opaque and glass doors opening to the outdoors in hotel and motel sleeping units, guest suites and timeshare condominiums shall be provided with controls that disable the mechanical cooling or reset the cooling setpoint to 90 degrees Fahrenheit or greater within five minutes of the door opening. Mechanical cooling may remain enabled if the outdoor air temperature is below the space temperature.

- (15) Amending Subsection C405.2. Subsection C405.2 is amended by amending the exceptions to read:

Exception: Spaces that use 60 percent or less of designated watts per square foot are exempt from Sections 0405.2.2 (Time switch controls) and 0405.2.3 (Daylight-responsive controls).

- (16) Subsection C406.3 is amended to read:

C406.3 Reduced lighting power density. The total interior lighting power (watts) of the building shall be determined by using 80 percent of the lighting power values specified in Table 0405.4.2(1) times the floor area for the building types, or by using 80 percent of the lighting power values specified in Table



A BILL FOR AN ORDINANCE

0405.4.2(2) times the floor area for the building type, or by using 80 percent of the interior lighting power allowance calculated by the Space-by-Space Method in Section 0405.4.2.

- (17) Amending Subsection C406.8. Subsection C406.8 is amended to read:

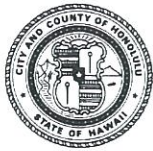
C406.8 Electric vehicle infrastructure. ~~All~~ New residential multi-unit buildings and new commercial buildings shall comply with Subsection C406.8.1 and C406.8.2 respectively.

- (18) Adding Subsection C406.8.1. Subsection C406.8.1 is added to read:

C406.8.1. Multi-unit residential requirements. New residential multi-unit buildings that have eight or more parking stalls must construct one electric vehicle charger ready parking stall for every four new units built or in the alternative, must be equipped to achieve no less than one compliance point for every four new units built based on the electric vehicle charger ready compliance points in Table C406.8.1. Building developers may aggregate compliance points across multiple projects, provided that the aggregate sum across all projects included meets the established minimum compliance points. "Electric vehicle charger ready" means that sufficient wire, conduit, electrical panel service capacity, overcurrent protection devices and suitable termination points are provided to connect to a charging station capable of providing simultaneous charging of required stalls.

To recognize future advancements in electric vehicle technology, alternatives can be proposed that provide an equivalent Total Vehicles Charged to the charge methods in Table C406.8.1. "Total Vehicles Charged" means the number of unique vehicles that can be charged within an equivalent 35 miles in 9 hours with 15 minute turnaround intervals. Approval is at the discretion of the Department of Planning and Permitting.

Exception: All affordable housing units at or below 140% AMI shall be exempt from any electrical vehicle infrastructure requirement.



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

ORDINANCE _____

BILL **25 (2019), CD2 (Draft)**

A BILL FOR AN ORDINANCE

(19) Adding Table C406.8.1. Table C406.8.1 is added to read:

Table C406.8.1 – Electric vehicle readiness point compliance

<u>Table C406.8.1</u> <u>ELECTRIC VEHICLE CHARGER READY POINTS COMPLIANCE</u>					
<u>CHARGE AND ELECTRICAL SPECIFICATION</u>			<u>COMPLIANCE POINTS</u>		
<u>Charge Method</u>	<u>Normal Supply voltage (VAC)</u>	<u>Current (A-Continuous)</u>	<u>Dedicated</u>	<u>Common Area</u>	<u>Common Area w/ EVSE</u>
<u>AC Level 1</u>	<u>120 VAC, 1-phase</u>	<u>12A</u>	<u>1</u>	<u>1</u>	<u>2</u>
<u>AC Level 2</u>	<u>208 to 240 VAC 1-phase</u>	<u>16A ≤ X ≤ 32A</u>	<u>2</u>	<u>10</u>	<u>20</u>
<u>AC Level 2</u>	<u>208 to 240 VAC 1-phase</u>	<u>32A < X ≤ 80A</u>	<u>3</u>	<u>20</u>	<u>40</u>
<u>DC Level 3</u>	<u>480/277 VAC 3-phase 4w</u>	<u>80A min peak power</u>	<u>15</u> (fleet only)	<u>50</u>	<u>100</u>

(20) Adding Subsection C406.8.2. Subsection C406.8.2 is added to read:

C406.8.3 Commercial electric vehicle infrastructure compliance

~~(18)~~(21) Amending Subsection C408.2.4.1. Subsection C408.2.4.1 adopted by the is amended to read:

C408.2.4.1 Acceptance of reports. Buildings, or portions thereof, shall not be considered acceptable for a certificate of occupancy until the code official has received a letter of transmittal from the building owner acknowledging that the building owner or owner's authorized agent has received the Preliminary Commissioning Report.

~~(19)~~(22) Subsection C408.3.1 is amended to read:

C408.3.1 Functional testing. Prior to issuance of a certificate of occupancy, the licensed design professional shall provide evidence that the lighting control systems have been tested to ensure that control hardware and software are



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

EXHIBIT A

ORDINANCE _____

BILL **25 (2019), CD2 (Draft)**

A BILL FOR AN ORDINANCE

calibrated, adjusted, programmed and in proper working condition in accordance with the construction documents and manufacturer's instruction. Functional testing shall be in accordance with Sections C408.3.1.1 and C408.3.1.2 for the applicable control type.

~~(20)~~(23) Subsection 0501.4 is amended to read:

C501.4 Compliance. Alterations, repairs, additions and changes of occupancy to, or relocation of, existing buildings and structures shall comply with the provisions and regulations for alterations, repairs, additions and changes of occupancy to, or relocation of, respectively, required by the ROH 1990, as amended.

~~(21)~~(24) Subsection C503.3.1 is amended to read:

C503.3.1 Roof replacement. Roof replacements shall comply with Table C402.1.3 or C402.1.4 where the existing roof assembly is part of the building thermal envelope and contains insulation entirely above the roof deck.

Exception: The following alterations need not comply with the requirements for new construction, provided the energy use of the building is not increased. When uninsulated roof sheathing is exposed during alteration, two of the following shall be installed:

1. Table C402.3 (solar reflectance); Energy Star compliant roof covering;
2. Radiant barrier;
3. Attic ventilation via solar attic fans or ridge ventilation or gable ventilation; and/or
4. Two or more of the exceptions listed in Table C402.3.

~~(22)~~(25) Subsection R103.1 is amended to read:

R103.1 General. Construction documents and other supporting data shall be submitted to indicate compliance with this code. The construction documents shall be prepared, designed, approved and observed by a duly licensed design professional, as required by Chapter 464 of the HRS. The responsible design professional shall provide on the plans a signed statement certifying that the project is in compliance with this code.



A BILL FOR AN ORDINANCE

Exception: Any building, electrical or plumbing work that is not required to be prepared, designed, approved or observed by a licensed professional architect or engineer, pursuant to Chapter 464, HRS. Specifications and necessary computations need not be submitted when authorized by the Building Official.

~~(23)~~(26) Subsection R401.2 is amended to read:

R401.2 Compliance. Projects shall comply with one of the following:

1. Sections R401 .3 through R404;
2. Section R405 and the provisions of Sections R401 through R404 labeled "mandatory";
3. An energy rating index (ERI) approach in Section R406; or
4. The Tropical Zone requirements in Section R401.2.1.

~~(24)~~(27) Subsection R401.2.1 is amended to read:

R401.2.1 Tropical zone. Residential buildings in the tropical zone at elevations below 2,400 feet (731.5 m) above sea level must comply with this chapter by satisfying the following conditions:

1. Not more than one-half of the area of the dwelling unit is air conditioned.
2. The dwelling unit is not heated.
- ~~2. Solar, wind or another renewable energy source supplies not less than 90 percent of the energy for service water heating.~~

~~6.5.~~ Glazing in conditioned space shall have a maximum solar heat gain coefficient as specified in Table R402.2.1. Skylights in dwelling units shall have a maximum Thermal Transmittance (U-factor), as specified in Table R402.1.2.

~~7.6.~~ Permanently installed lighting is in accordance with Section R404.

~~8.7.~~ The roof/ceiling complies with one of the following options:

- a. Comply with one of the roof surface options in Table C402.3 and install R-13 insulation or greater; or
- b. Install R-19 insulation or greater.



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

ORDINANCE _____

BILL **25 (2019), CD2 (Draft)**

A BILL FOR AN ORDINANCE

If present, attics above the insulation are vented and attics below the insulation are unvented.

Exception: The roof/ceiling assembly are permitted to comply with Section R407.

~~9.8.~~ Roof surfaces have a minimum slope of one fourth inch per foot of run. The finished roof does not have water accumulation areas.

~~10.9.~~ Operable fenestration provides ventilation area equal to not less than 14 percent of the floor area in each room. Alternatively, equivalent ventilation is provided by a ventilation fan.

~~11.10.~~ Bedrooms with exterior walls facing two different direction have operable fenestration or exterior walls facing two different directions.

~~12.11.~~ Interior doors to bedrooms are capable of being secured in the open position.

~~13.12.~~ Ceiling fans or whole house fans are provided for bedrooms and the largest space that is not used as bedroom. ~~Exemption: for production home building, ceiling fan junction boxes shall be provided and ceiling fan equipment shall be provided as a buyer's option. [Rational: ceiling fans are considered décor items, similar to window coverings, and thus should be decided by the homebuyer.]~~

~~14.13.~~ Jalousie windows shall have an air infiltration rate of no more than 1.2 cfm per square foot (6.1 L/s/m²).

~~15.14.~~ Walls, floors and ceilings separating air conditioned spaces from non-air conditioned spaces shall be constructed to limit air leakage in accordance with the requirements in Table R402.4.1.1.

3.

~~(25)(28)~~ Amending Table R402.2.1. Table R402.2.1 is amended to read:

Table R402.2.1. Window SHGC Requirements

Projection Factor of overhang from base of average window sill	SHGC
< 0.30	0.25



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

ORDINANCE _____

BILL **25 (2019), CD2 (Draft)**

A BILL FOR AN ORDINANCE

0.30 – 0.50	0.40
≥ 0.50	N/A

Exception: North-facing windows with $pf > 0.20$ are exempt from the SHGC requirement. Overhangs shall extend two feet on each side of window or to nearest wall, whichever is less.

~~(26)~~(29) Subsection R402.3.2 is amended to read:

R402.3.2 Glazed fenestration SHGC. Fenestration shall have a maximum solar heat gain coefficient as specified in Table R402.1.2. An area-weighted average of fenestration products more than 50 percent glazed shall be permitted to satisfy the SHGC requirements.

Exception: Dynamic glazing is not required to comply with this section when both the lower and higher labeled SHGC already comply with the requirements of Table R402.1.2.

~~(27)~~(30) Table R402.1.2. Table R402.1.2 is amended by deleting “13” in the first row (“1”) under the column “FLOOR R-VALUE” and replacing with “NR” and adding a footnote j to read:

- j. **Exception:** *R*-values for mass walls are not required if mass walls have a coating with a reflectance of 0.64 or greater and/or walls have overhangs with a projection factor equal to or greater than 0.3.

~~(27a)~~(31) Adding Subsection R402.4.1.3. Subsection R402.4.1.3 is added to read:

R402.4.1.3 Sampling: For builders of multiple single homes and multi-family units of similar construction type and envelope systems (i.e. “production home building”), air infiltration/duct testing may be completed by following Chapter 6 – Standard for Sampled Ratings, of the current Residential Energy Services Network (RESNET) National Home Energy Rating System Standards.

~~(28)~~(31) Subsection R403.5.5 of the IECC, adopted by the SECC, is amended to read as follows:

R403.5.5 Solar water heating. Residential single-family buildings shall comply with the state solar water heater requirements set forth in Hawaii Revised Statutes §196-6.5, as amended. ~~use solar, wind or another renewable energy source for not less than 90 percent of the energy for service water heating.~~

Exception: ~~If an architect or mechanical engineer licensed under Chapter 464, of the HRS, attests and demonstrates that (1) installation is impracticable due to~~



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

EXHIBIT A

ORDINANCE _____

BILL **25 (2019), CD2 (Draft)**

A BILL FOR AN ORDINANCE

~~poor solar resource; (2) or installation is cost prohibitive based upon a life cycle cost benefit analysis that incorporates the average residential utility bill and the cost of the new solar water heater system with a life cycle that does not exceed fifteen thirty years; (3) a renewable energy technology system, as defined in HRS Section 235-12.5, is substituted for use as the primary energy source for heating water; or (4) demand water heater device approved by CSA International is installed, provided that at least two other gas appliances are installed in the dwelling. For the purpose of this section "demand water heater" means a gas-tankless instantaneous water heater that provides hot water only as it is needed, then one of the following technologies advancing renewable energy shall be used for service water heating: 1) a grid-interactive water heater; 2) a heat pump water heater; or 3) a gas-powered water heater that is fueled by a source that is not less than 90 percent renewable. For the purpose of this section, "grid-interactive water heater" means an electric resistance water heater fitted with grid-integrated controls that are capable of participating in an electric utility load control or demand response program.~~

~~(34)~~(32) Subsection R403.6.2 is amended to read:

R403.6.2 Ceiling fans (Mandatory). A ceiling fan or whole house fan is provided for bedrooms and the largest space that is not used as bedroom, provided the whole house mechanical ventilation system complies with the efficacy requirements of Table R403.6.1.

Exemption: For production home building, ceiling fan junction boxes shall be provided and ceiling fan equipment shall be provided as a buyer's option.

~~(32)~~ Subsection R404.2 of the SECC, is added to read as follows:

R404.2 Ceiling fans (Mandatory). A ceiling fan or whole-house fan is provided for bedrooms, ~~provided the whole house mechanical ventilation system complies with the efficacy requirements of Table R403.6.1.~~

~~(34)~~(33) Subsection R404.~~23~~ is amended to read:

R404.3 Electric Vehicle Capability. In addition to what is required by the Electrical Code, a dedicated receptacle for an electrical vehicle must be provided for each residence which provides at a minimum, Level 1 service.

R404.2 Solar Conduit and Electrical Panel Readiness. All detached one- and two-family dwellings shall be Photovoltaic Ready. "Photovoltaic Ready" means construction documents shall indicate reasonable locations for inverters, metering equipment, battery equipment, energy storage equipment, and other



CITY COUNCIL

CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

A BILL FOR AN ORDINANCE

equipment necessary to interconnect the dwelling with on-site solar energy generating facilities with the electrical grid in compliance with applicable laws, statutes, and utility tariffs.

R404.3 Electric Vehicle Readiness. In addition to what is required by the Electrical Code, all detached one- and two-family dwellings shall be electric vehicle charger ready with a minimum Level 1 charge. "Electric vehicle charger ready" shall be as defined in Subsection C406.8.

~~(35)~~(34) Table Subsection R405.5.2(1) is amended to read:

Table R405.5.2(1) SPECIFICATIONS FOR THE STANDARD REFERENCE AND PROPOSED DESIGNS		
BUILDING COMPONENT	STANDARD REFERENCE DESIGN	PROPOSED DESIGN
Heating Systems	Fuel type: Same as proposed design	As proposed
	<u>Efficiencies</u>	As proposed
	Electric: Air-source heat pump with prevailing federal minimum standards	As proposed
		As proposed
	Nonelectric furnaces: Natural gas furnace with prevailing federal minimum standards	
	Nonelectric boilers: Natural gas boiler with prevailing federal minimum standards	As proposed
	Capacity: Sized in accordance with Section R403.7	As proposed
Cooling Systems	Fuel type: Electric Efficiency: in accordance with prevailing federal	As proposed



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

ORDINANCE _____

BILL **25 (2019), CD2 (Draft)**

A BILL FOR AN ORDINANCE

	minimum standards Capacity: Sized in accordance with Section R403.7	As proposed
Service Water Heating	Fuel type: Same as proposed design Efficiency: In accordance with prevailing federal minimum standards Use: Same as proposed design	As proposed As proposed Gal/day=30+(10x Nbr)

~~(36)~~(35) Amending Table R407.1. Table R407.1 is added to read:

Table R407.1			
POINTS OPTION			
Walls		Standard Home Points	Tropical Home Points
Wood framed			
	R-13 Cavity Wall Insulation	0	1
	R-19 Roof Insulation	-1	0
	R-19 Roof Insulation + Cool roof membrane ¹ or Radiant Barrier ³	0	1
	R-19 Roof Insulation + Attic Venting ²	0	1
	R-30 Roof Insulation	0	1
	R-13 Wall Insulation + high reflectance walls ⁴	1	2
	R-13 Wall Insulation + 90% high efficacy lighting and Energy Star Appliances ⁵	1	2
	R-13 Wall insulation + exterior shading wpf=0.3 ^b	1	2
	Ductless Air Conditioner ⁷	1	1
	1.071 X Federal Minimum SEER for Air Conditioner	1	1



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

EXHIBIT A

ORDINANCE _____

BILL **25 (2019), CD2 (Draft)**

A BILL FOR AN ORDINANCE

	1.142 X Federal Minimum SEER for Air Conditioner	2	2
	No air conditioning installed	Not applicable	2
	House floor area $\leq 1,000$ ft ²	1	1
	House floor area $\geq 2,500$ ft ²	-1	-1
	Energy Star Fans ⁸	1	1
	Install 1 kw or greater of solar electric	1	1
Metal Framed			
	R-13 + R-3 Wall Insulation	0	1
	R-13 Cavity Wall Insulation + R-0	-1	0
	R-13 Wall Insulation + high reflectance walls ⁴	0	1
	R-13 Wall Insulation + 90% high efficacy lighting and Energy Star Appliances ⁵	1	2
	R-13 Wall Insulation + exterior shading wpf-0.3 ⁸	0	1
	R-30 Roof Insulation	0	1
	R-19 Roof Insulation	-1	0
	R-19 + Cool roof membrane ¹ or Radiant Barrier ³	0	1
	R-19 Roof Insulation + Attic Ventilation	0	1
	Ductless Air Conditioner ⁷	1	1
	1.071 X Federal Minimum SEER for Air Conditioner	1	1
	1.142 X Federal Minimum SEER for Air Conditioner	2	2
	No air conditioning installed	Not applicable	2
	House floor area $\leq 1,000$ ft ²	1	1
	House floor area $\geq 2,500$ ft ²	-1	-1
	Energy Star Fans ⁸	1	1
	Install 1 kw or greater of solar electric	1	1

¹ Cool roof with three-year aged solar reflectance of 0.55 and 3-year aged thermal emittance of 0.75 or 3-year aged solar reflectance index of 64.

² One cfm/ft² attic venting.

³ Radiant barrier shall have an emissivity of no greater than 0.05 as tested in accordance with ASTM E-408. The



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

ORDINANCE _____

BILL **25 (2019), CD2 (Draft)**

A BILL FOR AN ORDINANCE

-
- radiant barrier shall be installed in accordance with the manufacturer's installation instructions
- ⁴ Walls with covering with a reflectance of ≥ 0.64 .
 - ⁵ Energy Star rated appliances include refrigerators, dishwashers, and clothes washers and must be installed for the Certificate of Occupancy
 - ⁶ The wall projection factor is equal to the horizontal distance from the surface of the wall to the farthest most point of the overhang divided by the vertical distance from the first floor level to the bottom most point of the overhang.
 - ⁷ All airconditioning systems in the house must be ductless to qualify for this credit.
 - ⁸ Install ceiling fans or whole-house fans in all bedrooms and the largest space that is not used as a bedroom.

~~(37)~~(36) Subsection R501.4 is amended to read:

R501.4 Compliance. Alterations, repairs, additions and changes of occupancy to, or relocation of, existing buildings and structures shall comply with the provisions and regulations for alterations, repairs, additions and changes of occupancy to, or relocation of, respectively required by the Revised Ordinances of Honolulu 1990, as amended.

~~(38)~~(37) Subsection R503.1.1, is amended by adding the following exception and footnote to read:

7. When uninsulated roof sheathing is exposed during alteration, a minimum of two of the following shall be installed:
 - a. Energy Star compliant roof covering;
 - b. Radiant barrier;
 - c. Attic ventilation via solar attic fans or ridge ventilation or gable ventilation;
or
 - d. A minimum of two exceptions listed in C402.3.

Footnote: Shake roofs on battens shall be replaced with materials that result in equal or improved energy efficiency."



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

ORDINANCE _____

BILL **25 (2019), CD2 (Draft)**

A BILL FOR AN ORDINANCE

SECTION 4. This ordinance takes effect 90 days after its approval.

INTRODUCED BY:

Ann Kobayashi (br)

DATE OF INTRODUCTION:

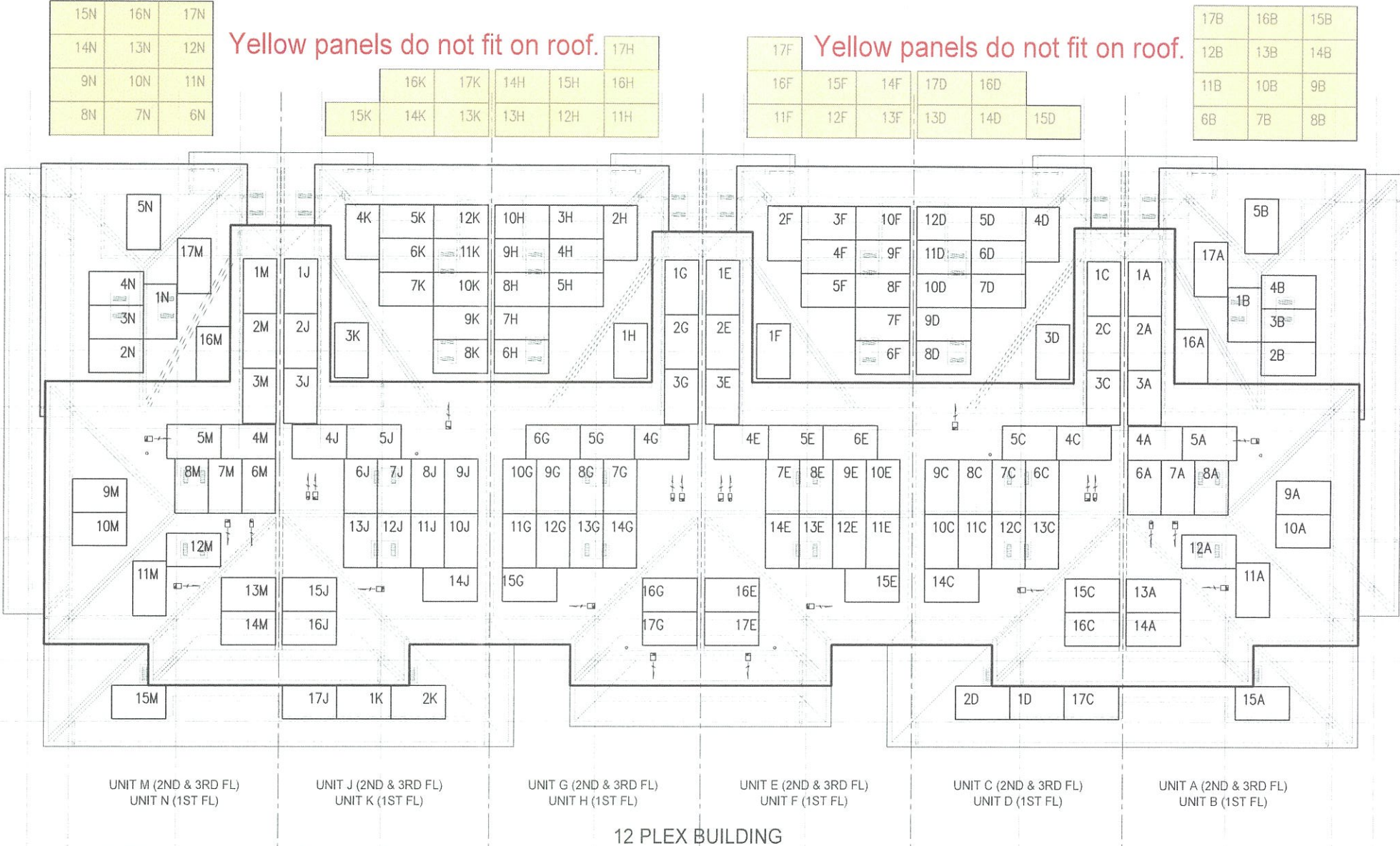
May 6, 2019

Honolulu, Hawaii

Councilmembers

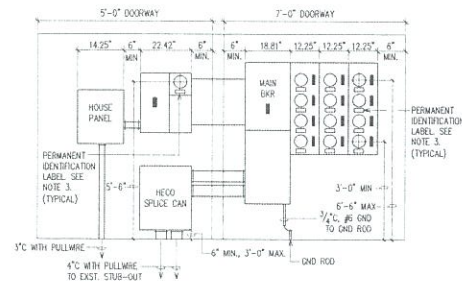
Panel layout does not take into account vent pipes, attic vents and optimal sun orientation which will reduce # of panel on roof.

EXHIBIT B

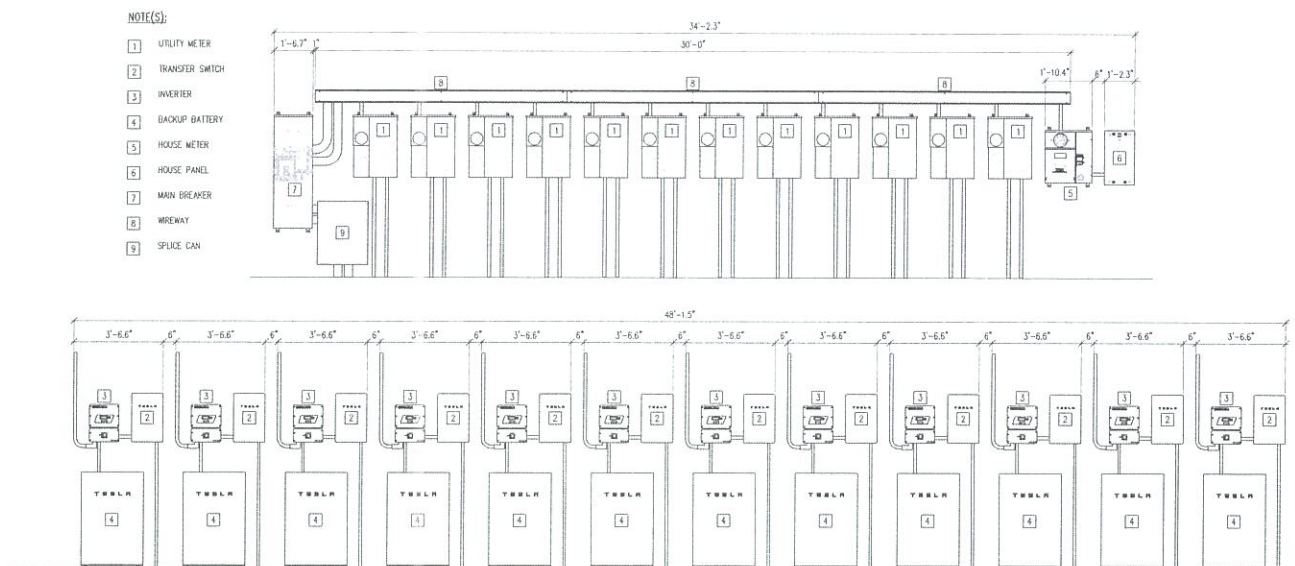


5kW PV system roof panel layout for each unit in 12-plex bldg - 5000W/308W = 17 panels @ 65" x 40" in size.

EXHIBIT C



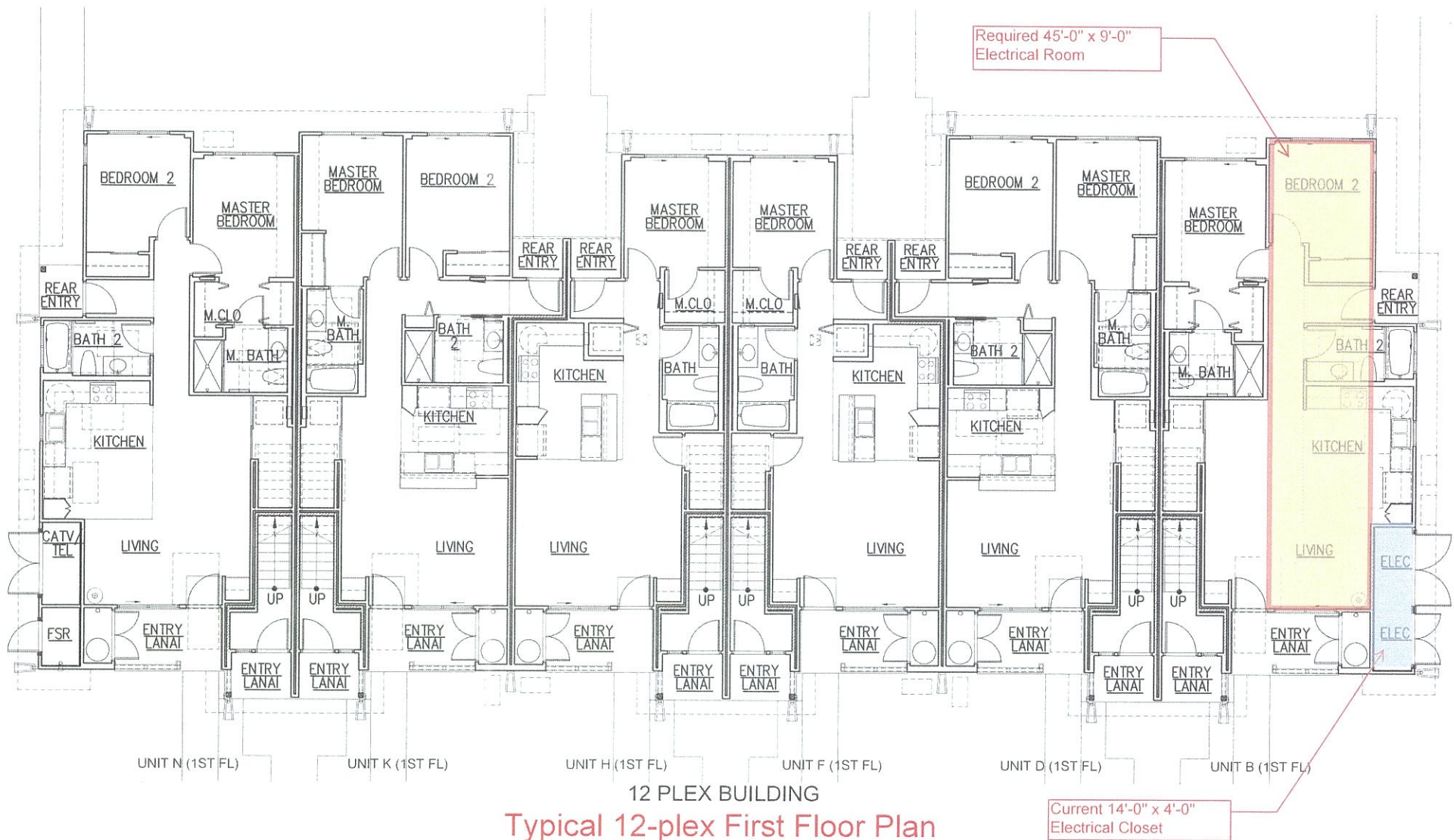
Current electric equipment for 12-plex bldg w/o PV - Requires 12 lineal ft of wall space and fits in 14' x 4' electrical closet.



Required electrical equipment to accommodate a 5kW PV system for each unit in 12-plex bldg - Requires 82 lineal ft of wall space and a 45'-0" x 9'-0" electrical room = 1 dwelling unit in size.

Electrical closet will need to expand to 45'-0" x 9'-0" electrical room to accommodate space for a future PV system for each unit. This would eliminate 1 housing unit from each building.

EXHIBIT D





January 22, 2020

The Honorable Ron Menor, Chair
The Honorable Tommy Waters, Vice Chair
Members of the Committee on Zoning, Planning
and Housing
City Council, City and County of Honolulu
Honolulu, Hawaii 96813-3077

RE: **Bill 25 (2019) – RELATING TO THE ENERGY CODE**
Hearing date: January 23, 2020 at 10:00 am

Aloha Chair Menor and members of the committee,

Mahalo for the opportunity to submit testimony on behalf of NAIOP Hawaii offering comments to Bill 25 (2019), as well as proposed amendments.

NAIOP Hawaii is the local chapter of the nation's leading organization for office, industrial, retail, residential and mixed-use real estate. NAIOP Hawaii has over 200 members in the State including local developers, owners, investors, asset managers, lenders and other professionals. NAIOP Hawaii is generally supportive of the City & County's efforts to promote sustainability. We are, however, concerned with the tremendous burden an additional mandate places on the cost of building homes in Hawaii, especially affordable housing.

Bill 25 seeks to adopt the Energy Code with certain amendments. Among those amendments there is a mandate that up to 25% of parking stalls be "electric vehicle charger ready." Hawaii's residents and businesses are already among the most heavily taxed in the entire country. The real estate development and construction industries are two of the biggest drivers of the entire State economy. These additional costs may seem minor, however, there are already significant development mandates which increase the cost of building residential units, which has significantly exacerbated the lack of affordable housing in Hawaii.

In addition, the bill places tremendous administrative burdens on developers and associations. The electric vehicle charger mandate may be feasible for developments with a parking structure, but for paved parking next in a multi-family development, where parking stalls are assigned by proximity rather than demand for infrastructure, sale of units may be driven by the parking stalls rather than the units themselves. In addition,

Ron Menor, Chair
Members of the Committee on Zoning,
Planning and Housing
January 22, 2020
Page 2

once the parking stall is assigned, it is almost impossible to reassign parking stalls to different units.

A better alternative to the mandate would be to incentivize installation of electric vehicle infrastructure or find alternative venues such as at the workplace. Where building owners and developers see a demand or other benefit that outweighs the cost, or makes economic sense, the owners will move forward to meet the need imposing unwarranted costs.

NAIOP also respectfully requests the Committee to pass the draft Bill 25, CD2 proposed by Councilmember Ann Kobayashi. The offered language has been worked on with many stakeholders which this bill will greatly affect and we feel the proposed draft provides more to developers in accomplishing the goals of the energy code.

In order to keep the cost of housing from spiraling out of control, the City should resist the urge to place additional costs on development. For these reasons, we urge you to amend Bill 25 to eliminate or reduce burdensome mandates.

Mahalo for your consideration,

Catherine Camp, President
NAIOP Hawaii

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:20 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	RR
Phone	8086773377
Email	r.calvan@seeqs.org
Meeting Date	01-02-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	I support this bill because its really important for O'ahu
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:20 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name NS (7th grader at SEEQS)
Phone 6773377
Email m.cahill@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:20 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name HL (8th grader at SEEQS)
Phone 677-3377
Email r.calvan@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written Testimony In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to "future-proof" new construction and accelerate our clean transportation future.

Testimony
Attachment

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:20 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name SJ (6th grader at SEEQS)
Phone 677-3377
Email c.chaudron@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

-SJ, Honolulu, HI 96816

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:19 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name AA(6th grader at seeqs)
Phone 677-3377
Email c.chaudron@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:19 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name EL (7th Grader at SEEQS)
Phone 677-3377
Email m.cahill@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Bill 25 aims to help our climate and clean energy future in three ways:

It updates the existing building efficiency code—which is nearly fourteen years out of date—with new energy saving measures, such as better insulation, improved lighting, and smarter controls for new residential and commercial construction. This alone is estimated to save nearly \$1 billion in energy costs for O‘ahu over the next 20 years.

It ensures that all new homes will come equipped with either a solar water heater, a high-efficiency heat pump water heater, or a “smart” grid-interactive water heater (that will allow us to use more renewable energy on the power grid).

It requires that new commercial and multi-family development, above a certain size, be “electric vehicle-ready” (having the wiring, conduit, and electrical capacity for charging stations to be installed later) in a certain percentage of the parking stalls. Studies have shown that installing EV infrastructure at the time of construction can be 91% less expensive than post-construction retrofits.

These are significant, cost-effective changes that will help to dramatically reduce the greenhouse gas emissions from our new homes and buildings while helping to foster our transition to clean transportation. But recent proposed drafts weaken these provisions.

Blue Planet Foundation is requesting that the EV-ready provision of Bill 25 be amended to require that 100% of new parking stalls be EV-ready—a requirement that the city of Vancouver already has on the books. We do not support a “points system” for the EV readiness that allows developers to avoid the equitable, near-term installation of wiring and electrical capacity to support our growing clean EV fleet. Further, we support the original Bill 25 language regarding energy efficiency and solar water heater requirements.

Written
Testimony

We understand that many of you receiving this are on neighbor islands. You are still welcome to submit written testimony—this measure has statewide implications, as Honolulu is setting the bar for other counties on EV-ready and solar water heating provisions (and climate affects us all).

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:18 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name BC(7th grader at SEEQS)
Phone 677-3377
Email m.cahill@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Written
Testimony

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to "future-proof" new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:18 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Sherryl Culley Royce
Phone 8082242138
Email roycehi@aol.com
Meeting Date 01-23-2020
Council/PH Zoning
Committee
Agenda Item 7 (Bill 25,2019)
Your position on the Support
matter
Representing Self
Organization
Do you wish to speak No
at the hearing?

Written Testimony

I strongly supporting Bill 25. It will help reduce climate change and greenhouse gas emissions in 2 ways.
It creates standards to increase energy efficiency, such as better insulation, better controls, and high-efficiency heat pumps for new construction. This may save us \$1 billion in the next 20 years.
It also supports renewable energy with regard to solar water heating, solar- ready rooftops, and charging space for electric vehicles. .
This bill gives forward-looking, environmentally responsible, energy saving requirements and will also save money!

Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:22 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name NT (8t grader at SEEQS)

Phone 677-3377

Email r.calvan@seeqs.org

Meeting Date 01-23-2020

Council/PH
Committee Zoning

Agenda Item Bill 25

Your position on
the matter Support

Representing Self

Organization

Do you wish to
speak at the
hearing?

No

Honolulu City Council

Zoning, Planning and Housing Committee

Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"

January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

NT

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:22 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name tp (6th grader at seeqs)
Phone 677-3377
Email c.chaudron@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written
Testimony

This is critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to "future-proof" new construction and accelerate our clean transportation future.

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:21 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name RI (8th grade at SEEQS)
Phone 677-3377
Email r.calvan@seeqs.org
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item Bill 25
Your position on
the matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written ,
Testimony In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to "future-proof" new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

RI

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:21 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name KE (7th grader at SEEQS)
Phone 677-3377
Email m.cahill@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha,

I am KE, a 7th grader at SEEQS Public Charter School in Kaimuki. These are my opinions on Bill 25.

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written Testimony In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to "future-proof" new construction and accelerate our clean transportation future.

In conclusion, I think this bill is very needed for our island's future and well being. Please pass Bill 25.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:21 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name JH (8th Grader at SEEQS)

Phone 808 677 3377

Email r.calvan@seeqs.org

Meeting Date 01-23-2020

Council/PH
Committee Zoning

Agenda Item bill 25

Your position on
the matter Support

Representing Self

Organization

Do you wish to
speak at the
hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:21 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name SU (8th grader at SEEQS)
Phone 677-3377
Email r.calvan@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written Testimony In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to "future-proof" new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:21 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name SJ (8th grader at SEEQS)
Phone 677 3377
Email r.calvan@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written Testimony In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to "future-proof" new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:21 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name GC(6th grader at SEEQS)
Phone 677-3377
Email c.chaudron@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Written
Testimony

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to "future-proof" new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:22 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name KC (8th grader SEEQS)
Phone (808)677-3377
Email r.calvan@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment,

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:22 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name RM (8th Grader at SEEQS)

Phone (808) 677-3377

Email r.calvan@seeqs.org

Meeting Date 01-23-2020

Council/PH
Committee Zoning

Agenda Item Bill 25

Your position on
the matter Support

Representing Self

Organization

Do you wish to
speak at the
hearing? No

Honolulu City Council

Zoning, Planning and Housing Committee

Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"

January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:22 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name SG(7th grader at SEEQS)
Phone 677-3377
Email m.cahill@seeqs.org
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item Bill 25
Your position on
the matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and 1
Agreement

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:22 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name ZG 7th grader at SEEQS
Phone 677-3377
Email m.cahill@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Bill 25 aims to help our climate and clean energy future in three ways:

It updates the existing building efficiency code—which is nearly fourteen years out of date—with new energy saving measures, such as better insulation, improved lighting, and smarter controls for new residential and commercial construction. This alone is estimated to save nearly \$1 billion in energy costs for O‘ahu over the next 20 years.

It ensures that all new homes will come equipped with either a solar water heater, a high-efficiency heat pump water heater, or a “smart” grid-interactive water heater (that will allow us to use more renewable energy on the power grid).

It requires that new commercial and multi-family development, above a certain size, be “electric vehicle-ready” (having the wiring, conduit, and electrical capacity for charging stations to be installed later) in a certain percentage of the parking stalls. Studies have shown that installing EV infrastructure at the time of construction can be 91% less expensive than post-construction retrofits.

These are significant, cost-effective changes that will help to dramatically reduce the greenhouse gas emissions from our new homes and buildings while helping to foster our transition to clean transportation. But recent proposed drafts weaken these provisions.

Blue Planet Foundation is requesting that the EV-ready provision of Bill 25 be amended to require that 100% of new parking stalls be EV-ready—a requirement that the city of Vancouver already has on the books. We do not support a “points system” for the EV readiness that allows developers to avoid the equitable, near-term installation of wiring and electrical capacity to support our growing clean EV fleet. Further, we support the original Bill 25 language regarding energy efficiency and solar water heater requirements.

Written
Testimony

We understand that many of you receiving this are on neighbor islands. You are still welcome to submit written testimony—this measure has statewide implications, as Honolulu is setting the bar for other counties on EV-ready and solar water heating provisions (and climate affects us all).

Testimony

Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:22 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name kl (6th grader at SEEQS

Phone 677-3377

Email c.chaudron@seeqs.org

Meeting Date 01-23-2020

Council/PH
Committee Zoning

Agenda Item bill 25

Your position on the
matter Support

Representing Self

Organization

Do you wish to
speak at the
hearing? No

Written Testimony It ensures that all new homes will come equipped with either a solar water heater, a high-efficiency heat pump water heater, or a "smart" grid-interactive water heater (that will allow us to use more renewable energy on the power grid).

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:22 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name kc
Phone 6773377
Email r.calvan@seeqs.org
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item Bill 25
Your position on
the matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Written Testimony I support this bill because this could help us save the earth. By using clean energy this is the first step to stopping global warming. Other countries might see what we are doing and then they might switch to clean energy and we could stop global warming.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:22 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Mp
Phone 18086773377
Email r.calvan@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written Testimony In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to "future-proof" new construction and accelerate our clean transportation future.

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:23 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name E.P.
Phone 677-3377
Email r.calvan@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written Testimony In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to "future-proof" new construction and accelerate our clean transportation future.

Testimony
Attachment

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:23 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name AL
Phone 677-3377
Email c.chaudron@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written
Testimony

it updates the existing building efficiency code—which is nearly fourteen years out of date—with new energy saving measures, such as better insulation, improved lighting, and smarter controls for new residential and commercial construction. This alone is estimated to save nearly \$1 billion in energy costs for O‘ahu over the next 20 years. It ensures that all new homes will come equipped with either a solar water heater, a high-efficiency heat pump water heater, or a “smart” grid-interactive water heater (that will allow us to use more renewable energy on the power grid). It requires that new commercial and multi-family development, above a certain size, be “electric vehicle-ready” (having the wiring, conduit, and electrical capacity for charging stations to be installed later) in a certain percentage of the parking stalls. Studies have shown that installing EV infrastructure at the time of construction can be 91% less expensive than post-construction retrofits. These are significant, cost-effective changes that will help to dramatically reduce the greenhouse gas emissions from our new homes and buildings while helping to foster our transition to clean transportation. But recent proposed drafts weaken these provisions.

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:23 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name fm (7th grader at seeqs)

Phone 677-3377

Email m.cahill@seeqs.org

Meeting Date 01-23-2020

Council/PH
Committee Zoning

Agenda Item bill 25

Your position on
the matter Support

Representing Self

Organization

Do you wish to
speak at the
hearing? No

Written Testimony These are significant, cost-effective changes that will help to dramatically reduce the greenhouse gas emissions from our new homes and buildings while helping to foster our transition to clean transportation. But recent proposed drafts weaken these provisions.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:32 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	kv grade 6 at seeqs school
Phone	677 3377
Email	c.chaudron@seeqs.org
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	Honolulu City Council Zoning, Planning and Housing Committee Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code" January 23, 2020, 10:00 AM hearing
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:32 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name RK 6 GRADE
Phone 677-3377
Email c.chaudron@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:32 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Joshua Brown Clay
Phone 8086357289
Email joshuabrownclay@gmail.com
Meeting Date 01-23-2020
Council/PH Zoning
Committee
Agenda Item Bill 25
Your position on the Support
matter
Representing Self
Organization
Do you wish to speak at the hearing? No

Written Testimony
Hello,
As a resident of Kauai, this bill would be a great inspiration for leaders here. However, it needs a few changes as is.
First, increase EV-ready parking stall amount to 100%. It's more expensive to retrofit than it is to add during construction, so let's just get ready for the future now!
Secondly, we need EV level 2 readiness, not level 1. People considering EV purchases shouldn't be worried they won't be able to get where they need to go in a timely manner.
Thirdly, don't accept the points-based EV readiness plan! It dodges the full EV readiness we really need for the future.
Mahalo and make it happen!

Best,
Josh

Testimony
Attachment

Accept Terms and Agreement

1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:30 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name cl (8th grade SEEQS)
Phone 808-677-3377
Email r.calvan@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written Testimony This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment. Cl

Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:30 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	AH(8th grader at seeqs)
Phone	677-3377
Email	r.calvan@seeqs.org
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:29 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	SRS(a 6th grader SEEQS)
Phone	677-3377
Email	c.chaudron@seeqs.org
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25
Your position on the matter	Support
Representing Organization	Self
Do you wish to speak at the hearing?	No
Written Testimony	I wish to say that our planet is dying and if we don't do anything it will die and this is a way to help keep our planet alive and all of us on it. so please pass bill 25 so we can all stay alive.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:28 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Cheryl Reeser
Phone	808-214-0086
Email	joelypop@gmail.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	7
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	In strong support of Bill 25 - Honolulu City Council can set the precedent for the rest of the state
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:27 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name EC (6th grade at SEEQS)
Phone 677-3377
Email r.calvan@seeqs.org
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item Bill 25
Your position on
the matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Housing is already very expensive in Hawaii, and families of four are especially hard to buy houses due to space they actually need and the space that is in their price budget. So usually families will just buy and or rent whatever is in their price range and that has enough space.

Written Testimony

So they don't really have a choice if it could be eco-friendly or not. But with this bill, people will be able to buy the houses they need and also do their part to help the environment. And now is the best time to start doing your part for the environment. Mahalo for your time and consideration.

Testimony
Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:48 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Daniel J Gaudiano
Phone 8082849959
Email dgaudiano@punahou.edu
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Hello Chair Menor, Vice Chair Waters, and members of the Committee,

I don't often provide written testimony, but wanted to have my voice heard here. I would like to testify in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring

that a certain percentage of new parking stalls be “EV-ready” (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Dan Gaudiano

Honolulu, HI 96821

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:40 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name LN 6th grader at SEEQs
Phone 677-3377
Email c.chaudron@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:36 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name K.A. (7th grader SEEQS)

Phone 8086773377

Email m.cahill@seeqs.org

Meeting Date 01-23-2020

Council/PH
Committee Zoning

Agenda Item Bill 25

Your position on
the matter Support

Representing Self

Organization

Do you wish to
speak at the
hearing? No

Honolulu City Council

Zoning, Planning and Housing Committee

Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 3:19 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name JS-(7th grader at SEEQS)
Phone 677 3377
Email m.cahill@seeqs.org
Meeting Date 01-23-2020
Council/PH Zoning
Committee
Agenda Item Bill 25
Your position on the Support
matter
Representing Self
Organization
Do you wish to speak No
at the hearing?
Written Testimony I support Bill 25 because of the impact this bill would make to financially limited families who might not have much choice in environmentally friendly houses, even if they support them.
Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 3:19 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	JS-(7th grader at SEEQS)
Phone	677 3377
Email	m.cahill@seeqs.org
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25
Your position on the matter	Support
Representing Organization	Self
Do you wish to speak at the hearing?	No
Written Testimony	I support Bill 25 because of the impact this bill would make to financially limited families who might not have much choice in environmentally friendly houses, even if they support them.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 4:26 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Anne Zellinger
Phone 8087838775
Email azmole@yahoo.com
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item 7
Your position on
the matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Written Testimony Please change the requirement for those who want an electric water heater hooked up to a PhotoVoltaic system to need the approval of an architect or mechanical engineer. This creates an unnecessary hoop for home owners to jump through when using PV systems to minimize their carbon foot print.

Thank you.

Testimony
Attachment
Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 4:20 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Nanea Lo
Phone 8084543504
Email naneaclo@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Hello Chair Menor and members of Zoning, Planning and Housing Committee,

Our climate future is not unknown but it is uncertain. We know that our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O'ahu. Bill 25 is the next logical step in our island's progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

Written Testimony The City has its own authority to advance the solar water heater mandate consistent with state law because the science shows solar water heaters are better for the climate and the finances demonstrate that solar water heaters significantly reduce the monthly cost of living for homeowners and renters
Electric vehicle charging infrastructure is ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready.
All new construction on O'ahu is as energy efficient as possible.
Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O'ahu (not increase it) because:

Time and again economists have shown that solar water heating significantly reduces monthly electricity bills.

It is estimated that retrofitting buildings to provide EV charging is 4-8-times more expensive than constructing them with that capability built-in.

Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency.

Thank you for the opportunity to testify and for taking up this important measure at the council.

me ke aloha ‘āina,
Nanea Lo

Testimony
Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 4:50 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Cara Chaudron
Phone 677-3377
Email c.chaudron@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Cara Chaudron, Honolulu, HI, 96816

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

In Support of Bill 25 (2019)

January 22, 2020

Dear Committee Chair Menor, Vice Chair Waters and ZPH Committee Members,

The urgency of passing Bill 25 this year cannot be overstated. Climate scientists continue to warn us that intensive actions to reduce greenhouse gases in our atmosphere are needed NOW if we are to hold the global temperature rise below 3 degrees Centigrade—literally a point of no return from the Earth we know now. (Please view: [Climate Change—The Facts in 4 Minutes](#) ; click the picture that appears.)

Bill 25 as written will make two substantive changes in the lives of Hawaii's citizens:

- 1) Heating water: use the sun or other renewable energy source as opposed to gas
- 2) Getting around the island: use electric vehicles (EVs), not fossil fuel-driven vehicles

It is up to you, our leaders, to understand the crisis we are in, and make these new options available to as many of Hawaii's citizens as possible. Bill 25 is not a total solution but a critical first step. It will encourage people to take small, incremental steps in their own lives that can make a significant difference when adopted worldwide..

In addition, long-term economic benefits will accrue to Hawaii's citizens from the passage of Bill 25:

- 1) Water heating: After the initial cost for solar panels is paid off (3-5 yrs), the home owner will never again receive a gas or electric bill for heating water. [Regarding being able to choose a water heating method, most homeowners don't get a choice; the home builders do.]
- 2) EV-ready infrastructure: When the infrastructure for an EV charger is installed in new constructions, the cost savings is considerable. For example, the infrastructure for a Level 2 charger could cost \$2500 or less at the time of construction vs \$10,000 if retrofitted. Additionally, having EV-ready parking stalls is already becoming a selling point for multi-dwelling units (condos and apartments).
- 3) Electric vehicle ownership/leasing: Purchase costs continue to drop; driving range continues to increase (over 100 miles per charge in most cars; many models averaging 250 miles per charge as of 2020); EVs require no gas, no oil, no transmission fluid, no water; maintenance costs are substantially lower than for fossil fuel cars.

These benefits do not include the environmental benefits (reduced global warming; less air, water and ground pollution; fewer health problems due to less pollution).

Obviously, people employed in the fossil fuel industries (coal, oil, gas) will be negatively affected by the elimination of fossil fuels and will need retraining in clean energy jobs. Government as well as private companies will need to play large roles in this transition. This is not socialism, this is people helping people and people helping the planet. (Think of the U.S. government's role in WWII where women were quickly trained to make weapons of war.) The current moniker for this transition is the Green New Deal. All levels of government and businesses—including gas and fossil fuel companies in Hawaii—should play active roles in this transition. They, along with the State Legislature and City Council, must acknowledge that coal, oil and gas-based industries are harming the planet, that the shift to clean energy sources must be made, and that providing appropriate assistance to workers as needed is essential.

Some amendments to Bill 25 are required due to our heightened climate emergency:

- Require that 100% (not 25%) of new multi-dwelling home and commercial parking stalls be made EV-ready. Vancouver, Canada, now requires 100% of stalls be EV-ready.
- Require Level 2 (not Level 1) chargers be installed (most municipalities adopting similar laws are now mandating Level 2 chargers due to their efficiency)
- State clearly in Hawaii's Energy Code that fossil fuel energy sources are no longer an option; if choices are to be made, only clean, renewable energy options are acceptable

We can all sense that Bill 25 is the right thing to do. Let's get it done now and become leaders again in the race to save our planet and our people. Thank you.

Jan Pappas — Aiea, Hawaii

Honolulu City Council

Zoning, Planning and Housing Committee

Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"

January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code." I am specifically supporting the Administration's CD2 version which was submitted by Councilmember Elefante, although I would prefer a more stringent version of the Bill.

The bill includes important considerations that will help allow residents and workers to live and work comfortably. I think we would be foolish to think we could have a comfortable future without this bill and the efficiencies which will result. If we expect to afford a cool environment, hot water use, and private transportation then we need this bill.

I believe we must make it as easy as possible to use electric vehicles in order to reduce carbon dioxide emissions enough to meet the limits required by Hawaii Act 32 of 2017 (SB559 CD1). The requirements in this Honolulu bill to install the wiring during construction is a must to avoid extremely high cost of retrofitting after the initial construction.

I recommend more parking spaces be Electric Vehicle (EV) ready at level 2 standards than the Administrations proposed CD2, but this version of the bill is much more appropriate than alternative CD2. I expect ownership of electric cars will skyrocket, if the potential owners can find stalls in which to charge them. Without providing enough future level 2 charging stall, it will be impossible to meet the demand.

I recently had to buy a new car and I really wanted an electric car, but I decided against this because I did not know if I would continue living in a home that allowed me to charge it. Likewise, I know many people who have made this hard choice not to buy an electric car because they were stuck in condominiums that did not have available parking stalls with chargers.

The requirements in the Administration's CD2 will also ensure that water heating takes advantage of renewable energy. We are told that the alternative CD2 will provide home owners more choice, but home owners and renters will typically not have this choice. The developer or contractor will save a little up-front cost, but the occupants will discover they are paying much more to own and operate the gas water heater than they would for a solar or heat pump system.

The relatively inexpensive upfront investment during construction will minimize long-term energy costs for homeowners and renters alike, leading to lower overall costs to reduce greenhouse gas emissions.

As a member of the Citizens' Climate Lobby, I believe that Honolulu and the rest of the world cannot let climate change proceed unchecked. As such the United States needs to employ economic incentives to encourage households and businesses to reduce their emissions of greenhouse gases; I am especially hopeful the proposed Federal Energy Innovation and Carbon Dividend Act, which places a fee on

emissions of carbon dioxide and refunds these fees to citizens, will become law. This act or a similar law will increase the cost of using fossil fuels. Therefore, to help Honolulu homeowners and renters avoid these higher energy costs, we need to provide carbon-free or low carbon options with the lowest cost possible. The Administrations proposed CD2 will do just that by significantly lowering the costs of switching to electric vehicles and solar hot water heating.

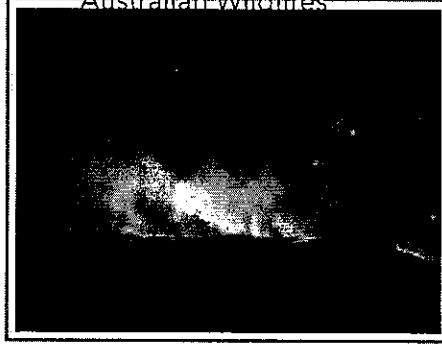
Please help make it relatively easy for homeowners and renters to adjust by passing the Administrations proposed CD2, or better yet, a more stringent, not-less stringent version of the Bill. Measures in this Bill are necessary for Honolulu to realize a sustainable future.

Thank you,

Charles E. Cox

Manoa

Australian Wildfires



Support Bill 25!

Testimony for Bill 25

Zoning, Planning and Housing Committee

Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"

January 23, 2020, 10:00 AM hearing

Simply put, To stop and reverse climate change we need to burn less things.

Burning more natural gas instead of coal will not stop climate change.

<https://www.nationalgeographic.com/news/energy/2014/09/140924-natural-gas-impact-on-emissions/>

There was a time when we hoped we could use natural gas temporarily while we found more clean energy sources. That time has passed, and we need to drastically reduce the burning of all fossil fuels, including natural gas.

It has been shown that burning renewable biofuels **increases** the amount of greenhouse gases in the atmosphere.

<http://theconversation.com/biofuels-turn-out-to-be-a-climate-mistake-heres-why-64463>

Biofuels will not stop climate change. We urgently need solutions that do not involve burning stuff.

www.keeppoilintheground.com

Solar water heaters are a no brainer solution for Hawaii. I personally had a solar water heater put on my last house, and it paid for itself in reduced energy bills, in **less than a year**. (including the cost of installation and everything)

Bill 25 doesn't even reduce the amount of fossil fuels burned by Hawaii Gas. This bill just says, we don't want you to burn any more than you already are.

If Hawaii Gas truly cared about the environment they would start investing in energy solutions that don't require burning things that pollute our atmosphere.

As far as the electric car charging station portion of the bill, I own an electric car and I have previously owned pets. I have had the experience of looking for a rental property that accepts pets, and also I have had the experience of looking for a rental property that has reliable access to vehicle charging. Neither one is easy.

I can tell you it is currently much harder to find a rental property that has reliable access to vehicle charging than a rental property that accepts pets. It is very difficult to own an electric car if you can't plug it in at home and this lack of available chargers is affecting people's decision to chose electric vs gas vehicles.

Thank you for your continued support of these urgently necessary environmental bills.

Sincerely,

Matthew Geyer

Matthew Geyer

Honolulu, HI 96822

keepoilintheground@gmail.com

www.KeepOilInTheGround.com

<https://www.instagram.com/keepoilintheground/>

Honolulu, HI 96822

From: CLK Council Info
Sent: Wednesday, January 22, 2020 2:01 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Dean Shimabukuro
Phone 8086714181
Email dean.shima@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25, "Relating to the Adoption of the State Energy Conservation Code."
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 7:14 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Linda J. Morgan
Phone 8089299063
Email lindainhawaii65@gmail.com
Meeting Date 01-23-2020
Council/PH Zoning
Committee
Agenda Item Bill 25
Your position on the Support
matter
Representing Self
Organization
Do you wish to speak No
at the hearing?

I am writing in strong support for Bill 25. This bill provides effective action regarding our climate crisis. Our islands are particularly vulnerable to its effects.

Written Testimony

I support requiring solar water heaters on all new buildings. This would reduce fossil fuel consumption while providing long term savings to residents who live in these homes.

I also support increasing the EV ready parking stall requirement to 100% to facilitate our transition to electric vehicles.

Mahalo for reading and considering my testimony.

Testimony
Attachment

Accept Terms and
Agreement

1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 7:26 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Manu Stanton
Phone 18082272531
Email manu.stanton@gmail.com
Meeting Date 01-03-2020
Council/PH
Committee Zoning
Agenda Item Bill 25
Your position on
the matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring

that a certain percentage of new parking stalls be “EV-ready” (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Manu Stanton

Testimony
Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 5:07 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Phaethon Keeney
Phone 8084308396
Email honokaapeople@yahoo.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

In strong support of Bill 25

Dear ZPH Chair Menor and Committee Members,

Written
Testimony

Please support Bill 25, and make it as strong as possible, the people of Hawaii need the long term savings and pathway towards a more stable climate. Everyone who is following Climate news knows, as stated in the IPCC report on 1.5C, we have a very short window to transition to the clean energy (and more equitable) future we all need. Bill 25 in it's strongest form would take great strides in easing the long term costs on Hawaii homeowners, renters, and car owners, beyond just climate concerns it's the right thing to do to help our ohana save costs and level the playing field for a just transition. Please support Bill 25, raise the EV-ready parking stall amount from 25% to 100%, and please include Level 2 readiness, not Level 1. Also, please do not accept the proposed "Points-based electric vehicle readiness compliance path" as it falls far short of the EV readiness we really need. Thank you. We need Bill 25 more than ever, mahalo for your time and service to the community.

With aloha,
Phaethon Keeney

Testimony
Attachment

From: CLK Council Info
Sent: Tuesday, January 21, 2020 6:34 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Travis Idol
Phone 8085368346
Email Twidol@alumni.wfu.edu
Meeting Date 01-22-2020
Council/PH Committee Zoning
Agenda Item 7
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

I support this bill. We need to move more quickly toward our 100% renewable energy goals. A great way to do that is to require renewables as part of new construction. It is much easier and cheaper than retrofitting after the fact. This is especially true with hot water, as this is a system that is built into the house.

Written Testimony A solar hot water home is more affordable throughout its lifetime. It is more sustainable. It reduces our reliance on imports. It is resilient against disasters that interrupt shipping of needed resources or that damage infrastructure. It reduces our contributions to GHG and the climate catastrophe.

We have a choice. Be pono and be an example for the world. Or be selfish, short-sighted and forever dependent on those who only care about our money.

Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 6:16 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Judith Mick
Phone 8082543357
Email ppchawaii@yahoo.com
Meeting Date 01-22-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written
Testimony

Please pass Bill 25 as we must be prepared for many more Hawaii residents driving EVs. We should make the parkaibg stall amounts be up from 25% to 100% as they have in Vancouver. We also should change the charging to be Level 2, Per water heating, let us allow homeowners to choose between solar water heaters or gas not builders. Let's make real progress to help our environment. Thank you. Aloha,Judy Mick,Kailua

Testimony
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 5:10 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Dr. John Nix
Phone 8088799391
Email nix@lifeislight.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Item 7
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

In strong support of Bill 25

Dear ZPH Chair Menor and Committee Members,

I support Bill 25, in a stronger form. Please raise the EV-ready parking stall amount in item 17 from 25% to 100%. Vancouver's requirement is 100%. Twenty-five percent will only become inadequate in the next few years. Let's not go through this again then.

Written
Testimony

I ask you to change all the bill's language about Level 1 charging to be Level 2 charging. I understand that Level 2 is fast becoming the standard nationwide, because it is several times faster, making EVs far more convenient and practical for homeowners and renters in a wide variety of situations. "Range anxiety" (fear one's battery won't last to the next charging station) should not prevent people from switching to an EV, which nearly everyone in Hawaii must eventually do.

The proposed "Points-based electric vehicle readiness compliance path" avoids the EV readiness we really need. Stop delaying the future!

Reject self-serving, deceptive arguments like, "People should have 'a choice' of a gas water heater," and "The solar and EV-ready requirements make affordable housing unaffordable."

With or without Bill 25, very few homeowners will have a choice of water heater type. The people who currently have a choice are the developers: land owners and builders. Once they choose a type of water heater, and build 10 homes, or 500, people who buy the homes are

stuck with the developers' choice, usually meaning eternal gas bills.

If actually given a choice, and all the facts, the vast majority of homeowners would choose renewable water heating, because it's far cheaper in the long term. To give homeowners that benefit, developers need an ordinance, or they won't make the right choice.

Also, letting anyone choose natural gas is not pono. The emissions from gas affect literally everyone on the planet. No one has a right to "choose" for the rest of us. It's like "choosing" to blast heavy metal music at 3 a.m., or "choosing" to drive on the left. The same goes for people who prefer gas cooking.

As to affordable housing, Bill 25's requirements will increase costs for three to four years while the solar water installation cost is being paid off, but then that housing will become even more affordable, because there will never be a gas bill. EV-readiness adds a slight cost, but it's becoming a part of 21st century life. This argument is like saying you could make housing more affordable if you just left out the electricity and plumbing.

Items 17, 28 and 31 in Bill 25--the solar water heating and EV-readiness parts--will accomplish three important things:

1. Lower the cost of living for long-term Hawaii residents. Paying a permanent monthly bill for natural gas to heat water in sunny Hawaii is just silly. Solar water heating pays for itself in three or four years, and residents don't have a monthly gas bill. Ever. An electric water heater accounts for over 25% of the average electric bill. The sun is free.

Electric vehicles (EVs) will replace gas cars before long. Hawaii residents will need some way to charge at home. How will they afford to install the electrical equipment needed for that? Installing it is far less expensive during construction. Don't force new homeowners to spend thousands of dollars to retrofit their homes for the EV they will be driving within the next decade or two.

2. Help to fight our climate crisis. Those who want a choice of gas water heating should consider that the methane they would burn affects all of us. Their kokua is not just appreciated, it's essential.

Hawaii needs to adopt EVs widely and quickly to meet our clean energy goals. The top two reasons people don't buy an EV right now are range anxiety, and too few charging stations in general [1]. Remove these barriers, and people will adopt. Cutting our greenhouse gas emissions depends on it. The amount of fossil fuel used to power an EV in Hawaii was already, in 2012, 31% less than that required to power a similar gasoline-fueled vehicle [2]. This has certainly improved as Hawaii has increased the use of renewables to make electricity.

3. Show some leadership! We're all very proud to be the first state to commit to 100% clean energy, but what progress have we made? The Federal government is in love with coal. The Hawaii legislature did very close to nothing last year.

That leaves you. Are we all waiting for a giant hurricane to wipe out Waikiki? Are you waiting for Kam Highway to fall into the ocean completely? We know now that clean energy by 2045 is too little, far too late, and it's past time to move the goal up. Way up. You, and state lawmakers, are supposed to write laws to help protect us from sea level rise, catastrophic hurricanes, and rain bombs. This bill, and stronger amendments, deserve support from anyone with the least concern about climate change, or about saving consumers money.

Here's your chance to set an example. Take it!

Thank you for the opportunity to testify.
Dr. John and Debra Nix

Testimony

Attachment

Accept Terms and 1
Agreement

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 7:03 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Severine Busquet
Phone 8082039696
Email severine.busquet@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 (Bill 25, 2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,

We know that our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O‘ahu. Bill 25 is the next logical step in our island’s progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

- Written Testimony
- The City has its own authority to advance the solar water heater mandate consistent with state law, which provides an exemption that homeowners can apply for if a gas water heater truly makes sense for them.
 - Electric vehicle charging infrastructure is ubiquitous on O‘ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready.
 - All new construction on O‘ahu is as energy efficient as possible.

Bill 25 moves us in this direction. Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O‘ahu because:

- Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters.
- Solar water heating significantly reduces monthly electricity bills compared to gas water heaters.

- Electric vehicles are cheaper to operate and maintain than gas cars.

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency.

Thank you for your attention.

Sincerely,
Severine Busquet
EV owner, Hawaii Kai

Testimony

Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 7:04 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Kaleigh DeSimone
Phone 808-433-2705
Email kflanagan131@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization J1LJ5L
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 7:21 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Jenny Webster
Phone 8083816676
Email jennyrw@hawaii.edu
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

To: The Committee on Zoning, Planning and Housing
From: Jenny Webster
Date: Thursday, January 23, 2020

In strong support of Bill 25
Dear ZPH Chair Menor and Committee Members,

I support Bill 25 but think it must be stronger.

Please raise the EV-ready parking stall amount in item 17 from 25% to 100%. We must take a strong stand to make these available to all consumers - some locations have so few charging stations, it's literally a deterrent to purchasing electric vehicles.

Written
Testimony

I ask you to change all the bill's language about Level 1 charging to be Level 2 charging.

Level 2 is faster but not incredibly pricey (as a level 3 would be). It offers a much more usable product than level 1, as level 1 can only charge cars to drive a handful of miles for every hour of charging.

The proposed "Points-based electric vehicle readiness compliance path" is not going to be sufficient in the very near future. If you add this limited charging ability to the increase in registration costs you approved for electric vehicles, it sends a strange message to consumers. Don't let the gas and car companies literally sink our future. We need electric vehicles on the road and if people are willing to pay the increased price, up front, for the

good of the planet, help them get their jobs by ensuring the EV charging stations can help them get to work.

Additionally, it is imperative that you make it a requirement for future building projects to prepare water heaters with solar and not natural gas. Gas is not a renewable resource. The more we burn; the hotter this place gets (and the water is coming- how much comes depends on the systems changes you enact now).

The builders choose what's going into new construction anyways (and they'll always do what's least expensive for them) so homeowners don't get a chance to choose and will be stuck dependent on gas for the longevity. Only the wealthiest homeowners will likely be willing to take the necessary steps to replace the gas heaters later.

Please, make it law to build these into homes in the first place. It's good for the home and will pay off for the homeowner in just a few years. We pay the highest electricity bills in the country; it's insane. Everybody needs solar now - do your part to ensure solar is our energy source because it's basically free here in Hawaii. Natural gas and other non-renewables will cost us everything.

These systems changes need to be implemented now. We can't wait any longer for short-sighted business practices and weak environmental laws to threaten our climate, our world, and our future.

I'm a teacher and the youth of Hawaii, their families, even the kapuna are counting on you to be leaders here. Please don't turn this into another "study"; you must be willing to make the big systems changes now so that we can all thrive in, let's face it, an uncertain future.

Please, act now. 2045 is too late. We're depending on you.

Thank you for the opportunity to testify.
Jenny Webster

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 7:50 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Sherry Pollack
Phone 8082398276
Email davidsher@juno.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item item 7 (Bill 25)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

TO: The Committee on Zoning, Planning and Housing
FROM: Sherry Pollack
DATE: Thursday, January 23, 2020

In STRONG SUPPORT of BILL 25

Dear ZPH Chair Menor and Committee Members,

I support Bill 25, in a stronger form.

Written
Testimony

The people of Honolulu are looking to you for leadership in our fight against the climate crisis. Efforts to move to a clean energy economy and expand green infrastructure are crucial pieces in our struggle to make the State zero-emission as soon as possible, and meaningfully address the climate emergency we face. Bill 25 would help advance these zero emission efforts.

Please strengthen this Bill by raising the EV-ready parking stall amount in item 17 from 25% to 100%. Vancouver's requirement is 100%. Twenty-five percent will only become inadequate in the next few years. We need this to help transition to clean transportation and meet our clean energy goals.

Further, I urge you to reject the disingenuous, false narrative coming from special interest groups who testified against Bill 25. Their arguments are based purely on greed, and simply shameful. We must stop allowing the profit margin of a few special interest groups from outweighing the needs of the people, and in this case, threatening our chances for a livable future.

By passing Bill 25, you send a message to the public that you care about helping us save our hard-earned dollars, and you also care about fighting for a safe climate future for our children. Solar water heaters pay for themselves in just a few years, lowering the cost of living for Hawaii residents. They are not only cost-effective, but will dramatically reduce our greenhouse gas emissions. The way it works now, it's the developers: land owners and builders who get to choose, and they are choosing at our expense. If actually given a choice, and all the facts, the vast majority of homeowners prefer renewable water heating, because it's far cheaper in the long term. Bottomline, to give homeowners that benefit, developers need an ordinance, as experience has shown they won't make the right choice that's best for the community.

We need leaders who have the courage to do something about the climate crisis. I hope you are those leaders.

Please actively support and strengthen this bill and take a step toward a livable future on our planet.

Mahalo for this opportunity to testify.
Sherry Pollack

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 8:32 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Carolynn Bell-Tuttle
Phone 808-778-4226
Email carolynn.bell@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

To: The Committee on Zoning, Planning and Housing
From: Carolynn Bell-Tuttle
Date: Thursday, January 23, 2020

In strong support of Bill 25
Dear ZPH Chair Menor and Committee Members,

I support Bill 25, in a stronger form. Please raise the EV-ready parking stall amount in item 17 from 25% to 100%. Vancouver's requirement is 100%. Twenty-five percent will only become inadequate in the next few years. Let's not go through this again then.

Written
Testimony

I ask you to change all the bill's language about Level 1 charging to be Level 2 charging. I understand that Level 2 is fast becoming the standard nationwide, because it is several times faster, making EVs far more convenient and practical for homeowners and renters in a wide variety of situations. "Range anxiety" (fear one's battery won't last to the next charging station) should not prevent people from switching to an EV, which nearly everyone in Hawaii must eventually do.

The proposed "Points-based electric vehicle readiness compliance path" avoids the EV readiness we really need. Stop delaying the future!

Reject self-serving, deceptive arguments like, "People should have 'a choice' of a gas water heater," and "The solar and EV-ready requirements make affordable housing unaffordable."

With or without Bill 25, very few homeowners will have a choice of water heater type. The people who currently have a choice are the developers: land owners and builders. Once they choose a type of water heater, and build 10 homes, or 500, people who buy the homes are stuck with the developers' choice, usually meaning eternal gas bills.

If actually given a choice, and all the facts, the vast majority of homeowners would choose renewable water heating, because it's far cheaper in the long term. To give homeowners that benefit, developers need an ordinance, or they won't make the right choice.

Also, letting anyone choose natural gas is not pono. The emissions from gas affect literally everyone on the planet. No one has a right to "choose" for the rest of us. It's like "choosing" to blast heavy metal music at 3 a.m., or "choosing" to drive on the left. The same goes for people who prefer gas cooking.

As to affordable housing, Bill 25's requirements will increase costs for three to four years while the solar water installation cost is being paid off, but then that housing will become even more affordable, because there will never be a gas bill. EV-readiness adds a slight cost, but it's becoming a part of 21st century life. This argument is like saying you could make housing more affordable if you just left out the electricity and plumbing.

Items 17, 28 and 31 in Bill 25--the solar water heating and EV-readiness parts--will accomplish three important things:

1. Lower the cost of living for long-term Hawaii residents. Paying a permanent monthly bill for natural gas to heat water in sunny Hawaii is just silly. Solar water heating pays for itself in three or four years, and residents don't have a monthly gas bill. Ever. An electric water heater accounts for over 25% of the average electric bill. The sun is free.

Electric vehicles (EVs) will replace gas cars before long. Hawaii residents will need some way to charge at home. How will they afford to install the electrical equipment needed for that? Installing it is far less expensive during construction. Don't force new homeowners to spend thousands of dollars to retrofit their homes for the EV they will be driving within the next decade or two.

2. Help to fight our climate crisis. Those who want a choice of gas water heating should consider that the methane they would burn affects all of us. Their kokua is not just appreciated, it's essential.

Hawaii needs to adopt EVs widely and quickly to meet our clean energy goals. The top two reasons people don't buy an EV right now are range anxiety, and too few charging stations in general [1]. Remove these barriers, and people will adopt. Cutting our greenhouse gas emissions depends on it. The amount of fossil fuel used to power an EV in Hawaii was already, in 2012, 31% less than that required to power a similar gasoline-fueled vehicle [2]. This has certainly improved as Hawaii has increased the use of renewables to make electricity.

3. Show some leadership! We're all very proud to be the first state to commit to 100% clean energy, but what progress have we made? The Federal government is in love with coal. The Hawaii legislature did very close to nothing last year.

That leaves you. Are we all waiting for a giant hurricane to wipe out Waikiki? Are you waiting for Kam Highway to fall into the ocean completely? We know now that clean energy by 2045 is too little, far too late, and it's past time to move the goal up. Way up. You, and state lawmakers, are supposed to write laws to help protect us from sea level rise, catastrophic hurricanes, and rain bombs. This bill, and stronger amendments, deserve support from anyone with the least concern about climate change, or about saving consumers money.

Here's your chance to set an example. Take it!

Carolynn Bell-Tuttle

Thank you for the opportunity to testify.
YOUR NAME

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 8:56 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Alexis Yee
Phone (808) 364-2721
Email ayee510@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25 CD1
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Hello, Chair Menor, Vice Chair Waters, and members of the Committee!

My name is Alexis Yee and I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

If we want to reach our goal of 100% clean energy, then we need to take action in order to make it happen. Bill 25 allows for more opportunities for citizens to go renewable, as well as; makes our buildings in general more sustainable.

Written
Testimony

I will introduce myself as a proud member of the climate crew, cohort 1. As someone interested majorly in science, I noticed almost all forms of environmental science are going through problems, all caused by climate change. The environment is going through drastic changes that can't be reversed in the future. We promised to keep moving towards clean energy and passing this bill will allow for that.

By allowing for energy efficient water heaters, we can change from all of the fossil fueled heaters that have been built in recent housing. Not only that but the parking stalls with chargers, will allow for more citizens to start driving electric vehicles, instead of gas cars due to more accessibility.

As a student worried for my future, I hope you take into consideration everything I said, and I wish for the best for all of you. Thank you for considering my testimony!

Alexis Yee, Honolulu, HI, 96825

From: CLK Council Info
Sent: Tuesday, January 21, 2020 9:03 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Sabra Yoshioka
Phone 8082027375
Email yoshiokasabra@gmail.com
Meeting Date 05-06-1992
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Sabra Yoshioka
Honolulu, Hawaii 96822

Testimony
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 9:08 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Lukas Mathews
Phone 808-202-7840
Email lukasmathews101@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Relating to the Adoption of the State Energy Conservation Code
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No
Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020 10:00 AM hearing

Hello Chair Menor, Vice Chair Waters, and members of the committee

My name is Lukas Mathews, I am 16 years old and I am testifying in support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code"

Written
Testimony

Why do I care about this bill? I believe that this bill will make a tremendous difference to our city, making Honolulu less fossil fuel dependant and more modernized to lead the charge against Climate Change. I will give you three aspects of this bill that I am especially excited about.

The first is that it makes changes to our highly outdated building code, calling for better insulation, improved lighting, and newer smarter controls for new construction. These updates should result in an estimated \$1 billion in energy costs saved for our island for the next 20 years. I want my city to become a leader in energy efficiency, and it starts with the way we build and manage our homes and buildings.

The second aspect of this bill that excites me is the requirement that new homes will come equipped with a solar water heater, a high-efficiency heat pump water heater, or a "smart" water heater. A 2016 survey has shown that in the average American home water heaters

come in second to cooling and heating with the most energy used in the household. They take up 14% of energy use in a home every. I am a teenager and I like to take long showers. My father installed one of these solar water heaters and we no longer argue about my showers.

Perhaps my favorite part of Bill 25 requires that new commercial and multi-family development be “electric vehicle ready”. This doesn’t mean that the parking spots automatically get a charging station, it just requires that all stalls have the wiring, conduit and electrical capacity to be able to host stations. It’s a step in the right direction, although we could go further. Consider Vancouver, which already has 100% of parking stalls “electric vehicle ready”. Not only does this encourage more people to purchase electric vehicles but I construction of the fitted stalls is nearly 91% cheaper than fitting a new stall.

Again, I am a teenager, and I am currently learning how to drive. I have my eyes on an electric vehicle in the future (a guy can dream!), and I would like to see my city make the transition from diesel engines and encourage future drivers like myself to invest in cleaner modes of transportation.

Please advance Bill 25 with this EV-ready amendment

Thank you for considering my testimony

Lukas Mathews
Honolulu, HI 96821

Testimony
Attachment

Accept Terms
and Agreement

1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 9:11 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Paul Bernstein
Phone 808-373-7161
Email paulbernstein2004@yahoo.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25 (2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Committee,

I am writing in support of Bill 25. Economists have long recognized the principal-agent problem that constrains incentives for energy-efficiency investments by either landlords or tenants in renter-occupied properties and the need for energy efficiency standards to overcome this market failure. That is, there are instances that regulators should invoke energy efficiency standards to effect a more efficient market outcome that improves the well being of society.

Bill 25 is one such case. The Bill's requirement for the installation of solar hot water (SHW) heaters would result in savings of up to \$8,600 per household over the expected life of the equipment compared to a standard grid resistance water heater.

Written
Testimony

Furthermore, any amendment to allow for gas water heaters should make sure that gas water heaters (GWHs) achieve at least the same emission reductions as SWHs with electricity back up. I say at least because the SWHs are less expensive than IGHs. Currently, the share of renewable natural gas (RNG) in The Gas Company's gas is less than 5%. Using the City's data on the different water heaters, I find that at 5% RNG, IGHs produce about four times as much emissions as SWHs under today's share of renewable powered electricity. As the amount of renewable electricity increases over time with the increasing RPS standards, the share of renewable gas will need to continue to climb. Thus, for an IGH to be on par with a SWH today, the gas must contain around 70% RNG. As the RPS standard increases, the share of RNG would need to increase to around 85% by 2030.

Mahalo for the opportunity to submit comments in support Bill 25 (2019). In order for the City to cost-effectively meet its emission reductions goals, I urge you to support the Bill as proposed by the Administration.

Kind regards,
Paul Bernstein, PhD

Testimony
Attachment
Accept Terms
and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 9:17 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Louis Concato
Phone 2033761068
Email louis.concato@carbonlighthouse.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Relating to the Adoption of the State Energy Conservation Code
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Louis Concato, Honolulu, HI 96815

Testimony
Attachment

Accept Terms
and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 9:53 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Jill Yoshicedo
Phone 808-372-2112
Email dr.yoshicedo@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Zoning, Planning and Housing Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

In this time of urgent action needed to address the ongoing climate crisis, Bill 25 represents another small step toward reducing the global hazards of continued fossil fuel use. By advancing these small steps, we keep up the momentum toward necessary change, and incentivize businesses and individuals to come along.

Written
Testimony

While I support all the building energy code changes in Bill 25 that significantly reduces energy use for new homes and buildings at no cost to the occupants' health and comfort, I request that the EV-ready provision be strengthened by amending Bill 25 to include a requirement that 100% of new parking stalls for commercial and multi-family buildings be prepared for Level 2 charging capacity, similar to the city of Vancouver. As costs to install this capacity are dramatically less during initial construction compared to later improvements, this will help to "future-proof" new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment. Thank you for considering my testimony.

Aloha,

Jill Yoshicedo
Kailua, HI

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 10:50 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Jaymen Laupola
Phone 8083939246
Email jmenloa@gmail.com
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item Item 7, Bill 25
Your position on
the matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Written
Testimony Honolulu needs to regulate developers to utilize clean renewable energy sources. Opponents claim this bill will increase prices for consumers and decrease their options. Perhaps so, but these can be considered growing pains that need to be endured in order to secure a sustainable future. The gas industry claims this bill excludes renewable natural gas (RNG) which is seen as a carbon-neutral source of energy. However they do not claim that they will prioritize use of RNGs and RNGs are not easily scalable or readily available.

Testimony
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 10:04 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Alana Wilson
Phone 8083527233
Email awilson20@punahou.edu
Meeting Date 01-23-2020
Council/PH Zoning
Committee
Agenda Item Bill 25 CD1
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? Yes

Written Testimony In summary, Bill 25 will propel Hawai'i in the right direction for stability in the future and less stress from climate change. It has many benefits including limiting costs while being energy efficient with solar water heaters. This bill will be the foundation of fighting climate change for our future.
Thank you for your consideration!!

Testimony
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 7:27 AM
Subject: Transportation Speaker Registration/Testimony

Speaker Registration/Testimony

Name Gary Tomita
Phone 808 343- 3387
Email igtwink69@gmail.com
Meeting Date 01-22-2020
Council/PH ~~Transportation~~ ZH
Committee
Agenda Item EV charging stations B2B
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written
Testimony

Hi my name is Gary Tomita. I'm a resident of Leeward Oahu. I drive an all electric vehicle. I support the proposal to have charging stations at apartments, condos, and businesses. I charge my vehicle at home. People I know living in condos have no choice but to purchase petroleum dependent vehicles. Associations in many cases may not allow individual charging stations, or the cost would be prohibitive. Giving a tax credit maybe a way new construction of multiple residences. This would also promote the use of EV's to cut down Hawaii's dependence on oil. Thereby, ensuring a clean environment for the people of Hawaii.

Testimony
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 7:46 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Diane ORourke
Phone 808-237-8608
Email bigdpro@hawaii.rr.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:14 AM
Subject: Public Infrastructure, Technology and Sustainability Speaker Registration/testimony

Speaker Registration/Testimony

Name John Doe
Phone 8081234567
Email leatpoop@gmail.com
Meeting Date 01-23-2020
Council/PH Committee PITS
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring

that a certain percentage of new parking stalls be “EV-ready” (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

John Doe Honolulu, Hawaii, 12345

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:14 AM
Subject: Executive Matters & Legal Affairs Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Phoenix
Phone	808-403-4126
Email	Phoenix@gmail.com
Meeting Date	04-14-2000
Council/PH Committee	Executive Matters ZPH
Agenda Item	Bill 25
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:08 AM
Subject: Executive Matters & Legal Affairs Speaker Registration/Testimony

Speaker Registration/Testimony

Name Adam ward
Phone 8087994347
Email Adamward@student.midpac.edu
Meeting Date 01-22-2020
Council/PH Committee ~~Executive Matters~~ ZPH
Agenda Item Uh
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be “EV-ready” (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Adam Ward, Honolulu Hawaii, 96822

Testimony
Attachment

Accept Terms
and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 8:42 AM
Subject: Public Infrastructure, Technology and Sustainability Speaker Registration/testimony

Speaker Registration/Testimony

Name Pua Pakele
Phone 8084296980
Email pualena@gmail.com
Meeting Date 01-23-2020
Council/PH Committee PITS
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring

that a certain percentage of new parking stalls be “EV-ready” (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Pualena Pakele and Cabot
Honolulu, HI 96816

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 8:53 AM
Subject: Council/Public Hearing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Noel J. Kent
Phone	599-0923
Email	noelk@hawaii.edu
Meeting Date	01-23-2020
Council/PH Committee	Council
Agenda Item	Bill 25
Your position on the matter	Support
Representing Organization	Self
Do you wish to speak at the hearing?	No
Written Testimony	We need this bill to help our attempt to "manage" the worst impacts of global warming and preserve our natural world and our species.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:25 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Ian Tierney
Phone 8089497770
Email itierney@kya.design
Meeting Date 01-21-2020
Council/PH Committee Zoning
Agenda Item BILL 25 (2019) RELATING TO ADOPTION OF THE STATE ENERGY CONSERVATION CODE.
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No
Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
Aloha Chair Menor, Vice Chair Waters, and members of the Committee,
I am testifying in strong support of Bill 25 (2019) CD2, "Relating to the Adoption of the State Energy Conservation Code."
Having worked on Green Buildings for the past 5 years and energy efficiency for the last 8 years, I have seen the challenges of short term costs derail long term benefits in new construction and renovation. Owners, designers and builders will do the least amount possible to meet the code, often making their buildings very inefficient, poorly suited for solar, and unattractive for EV owners. By raising the bar so to speak using building codes, future projects will not be forced to sacrifice the benefits of increased efficiency, renewable powered solar water heating and low emission EV charging infrastructure. After this bill is passed, the upfront costs will come down as the technology, design and constructability becomes the norm of the industry.
There will be some hiccups along the way, but that is what the US Green Building Council Hawaii can help with if called upon for assistance. USGBC Hawaii is composed of volunteer board members who are well versed in green building and sustainable development; representing owners, designers, facility managers, planners and engineers.

Email hawaii@usgbc.org or visit usgbc.org/usgbc-hawaii for more info.

Thank you for considering my testimony.

Ian Tierney, LEED AP BD+C
Honolulu, HI 96816

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:22 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name NANETTE VINTON
Phone 8085616267
Email nanimac@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

I have been an EV owner since 2013 and am happy to see the growth in the number of EVs in Hawaii. However, that number is still not significant enough to make a marked difference for Hawaii's climate and it's clean transportation goals. More needs to be done with the infrastructure needed to support electric vehicle growth.

Written
Testimony

Bill 25 is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Bill 25 requires that a certain percentage of new parking stalls in certain new developments be "EV-ready" (with wiring and capacity for EV chargers to be installed).

The City and County of Honolulu and the State of Hawaii need to be proactive in supplying the appropriate charging infrastructure to support EV growth and to help meet their 100% clean transportation goal by 2045.

However, this provision should be strengthened significantly to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for

Level 2 charging capacity. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Respectfully Submitted,
Nanette Vinton
Mililani, HI 96789

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:18 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Zena N Grecni
Phone 808-944-7242
Email zena.grecni@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Dear Councilmembers,

Written
Testimony

I support Bill 25 to update building and energy codes because it will lower energy costs and the cost of housing for O'ahu families. It will also help the City and State to meet their renewable energy commitments and help us lead in reducing dangerous climate change. I care about the safety of my family and island communities globally. Please pass Bill 25.

Sincerely,
Zena N Grecni
(voter in Kahalu'u)

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:15 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Alex Kelly
Phone 8082280055
Email alexandrakelly@student.midpac.edu
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms
and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:14 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Nainoa Hayashi
Phone 8083797500
Email Nainoahayashi@student.midpac.edu
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Nainoa Hayashi, Honolulu, O’ahu 96822

Testimony

Attachment

Accept Terms
and Agreement

1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 8:48 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Ana Velasquez
Phone	8583448662
Email	anavelas@hawaii.edu
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25 CD2 (Elefante)
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 8:45 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Micah Chee
Phone 8085364891
Email mioono@hotmail.com
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item Bill 25 CD1
Your position on the
matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Written Testimony Please protect my future, I am 14 years old and want to live in a future where all houses use renewable energy. Bill 25 must be passed to make sure to take a step in the right direction. Money is not worth more than entire generations.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 8:42 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Tabatha Knudson
Phone	8084291161
Email	tknudson@hawaii.edu
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 8:27 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Jacob Garner
Phone 8082277103
Email jacoblgarner@gmail.com
Meeting Date 01-22-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

I support the recommendations that the EV-ready parking stall requirement be increased to 100% of parking stalls. I recently purchased my first home (an HHFDC affordable condo) and am frustrated that I am unable to purchase an electric vehicle as there is no way to connect to a power source in my parking stall. Since condos are the only affordable option left for most Honolulu residents, the people that may most benefit from EV ownership and the tax credits that come along with such are precluded from participating.

Written Testimony Affordable housing is a hot button issue and I understand that planning for electrical connections in parking spots will add some additional cost to development and construction. But this cost is exponentially lower if the installation is done during building construction compared to retrofitting an existing structure. I'm certain that opposition to this bill will cite the expense that will be passed on to purchasers, but at some point we need to decide to stop living in the past and plan for our island's future. If more residents have access to electric vehicles and charging at their condo residences, the market for EV ownership will expand from where it is currently limited to owners of single-family homes, townhouses with garages or carports and select luxury condo buildings.

Testimony Attachment
Accept Terms and Agreement 1

From: CLK Council Info
Sent: Wednesday, January 22, 2020 8:21 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Dana Barbata
Phone 8083435474
Email danabarbata@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I submit this testimony in support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. As Honolulu's energy code has not been updated in 14 years, it is time to modernize it to account for the need to reduce energy use in new homes and buildings, while also considering health and comfort of those occupants.

Written
Testimony

The proposed code revision reflects broad changes in technology, building materials, and best practices, and also considers Honolulu's unique island and building environment. It ensures new homes are equipped with either solar or high efficiency water heaters instead of fossil gas water heaters, and helps make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be electric vehicle ("EV") ready. Electric vehicles should be more accessible to residents, and Bill 25 will help reduce the overall cost of our transition to clean transportation.

The portion of the Bill related to EV stations can be strengthened though. I respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity. This will help to "future-proof" new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Dana A. Barbata, Honolulu Hawaii 96815

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 9:00 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Pua Pakele
Phone 8084296980
Email pualena@gmail.com
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item Bill 25
Your position on
the matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Pualena Pakele and Cabot
Honolulu, HI 96816

Testimony

Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 8:59 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Nick Noey
Phone 8087546140
Email nickeckelberger@yahoo.com

Meeting Date 01-23-2020

Council/PH
Committee Zoning

Agenda Item Bill 25

Your position on
the matter Support

Representing Self

Organization

Do you wish to
speak at the
hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Nick Noey
Kāneʻohe, HI 96744

Testimony
Attachment

Accept Terms
and Agreement

1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 8:55 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Jayna Westbrooks
Phone	9122728158
Email	jwestbrooks21@kaiserhs.k12.hi.us
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25 CD2 (Elefante)
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 8:54 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Jordan May
Phone	9046275210
Email	jalyssam17@gmail.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25 CD2 (Elefante)
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 8:52 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Jourdin Westbrook
Phone 9126675758
Email jordinwest6@gaill.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25 CD2 (Elefante)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No
Written Testimony
Testimony Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 8:52 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Kate Crowell
Phone	(213) 507-8274
Email	katecrowell83@gmail.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25 CD2 (Elefante)
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 8:51 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Jordan May
Phone	9046275210
Email	jalyssam17@gmail.com
Meeting Date	01-22-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25 CD2 (Elefante)
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 9:40 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Rachael Cleveland
Phone	9164582088
Email	aloharachael@sbcglobal.net
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25
Your position on the matter	Support
Representing Organization	Self
Do you wish to speak at the hearing?	No
Written Testimony	I support Bill 25. I believe Oahu should be doing everything it can to prepare for climate change, and this bill helps with that preparation.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 9:30 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Raina Wong
Phone	8083129255
Email	rainaw@hawaii.edu
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25 CD1
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 9:15 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Jason Shon
Phone 8087539748
Email jasontmjks@gmail.com
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item Bill 25 CD2 (Elefante)
Your position on
the matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,

I support Bill 25 and any effort to make our buildings and infrastructure more energy efficient and less dependent on fossil fuels.

I recently purchased a used car. Although I would have preferred to purchase an EV or hybrid, I was forced to buy a gas car because the apartment where I live does not have EV charging stations and the opportunities to charge electric vehicles elsewhere are severely limited.

Written Testimony The next time I purchase a used car, I want a choice. I want a chance to choose to drive an EV. Right now, a lot of people don't have that choice. Increasing EV-ready parking stalls is a good start.

Thank you for your consideration.

Testimony
Attachment
Accept Terms and Agreement 1

From: CLK Council Info
Sent: Wednesday, January 22, 2020 9:04 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Dyson Chee
Phone 8084627570
Email cheedyson@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25 CD2 Elefante
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? Yes

Aloha Chair Menor and honorable Council Members,

Written
Testimony

My name is Dyson Chee and I am a 17 year old high schooler living in Ala Moana. I am in strong support of Bill 25 CD2 Elefante. It is imperative that we take solid action to tackle the issue of climate change, and mandating that residential and commercial buildings have solar water heating and have 25% EV readiness will be critical to reducing our addiction to fossil fuels. As a teen who will hopefully be moving out of my parents house in the not-so-distant future, it would be amazing to move into a home where the solar water heating is already provided, rather than me having to get rid of the gas heating and then switch to solar water heating. Yet, this dream has not come to fruition, despite state legislation that intended to make that dream a reality. We cannot allow Hawaii Gas and building agencies to choose convenience and cost over people and the planet. I urge you to pass Bill 25 CD2 Elefante, or at least Bill 25 CD1.

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2019, 10:00 AM hearing

Aloha Chair Menor and members of the Zoning, Planning and Housing Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code." The significant, cost-effective changes proposed in Bill 25 will help to dramatically reduce the greenhouse gas emissions from our new homes and buildings while helping to foster our transition to clean transportation. Changes that include energy efficiency measures, solar heating and electric vehicle-readiness will create higher efficiency standards and energy cost-savings to help our island progress towards a livable, stable future.

Thank you for considering this testimony in support of Bill 25.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Therese Argoud'.

Therese Argoud, MPH

3314 Woodlawn Drive

Honolulu, Hawaii 96822

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to "future-proof" new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Evan Baron

Honolulu, 96822

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:13 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Kenji
Phone 8083646903
Email kenjihlim@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:13 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name knut robinson
Phone 8086061676
Email knutrobinson@student.midpac.edu
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

SmithN’ Western

Testimony
Attachment

Accept Terms
and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:12 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Will Caron
Phone 8083874920
Email willcaronforhawaii@gmail.com
Meeting Date 01-24-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Dear Honolulu City Council Committee Members:

As your constituent, I'm writing to express my support for a strong Bill 25. Climate catastrophe is upon us. As Australia continues to burn, as super typhoons continue to pummel islands across the Pacific, as erosion already threatens our island infrastructure, we are not ready. We are woefully unprepared for the climate challenges of the 21st century. We need to do everything we can public policywise to catch up, and quickly.

Bill 25 is a small, but significant and meaningful step toward shifting our infrastructure, economy and social composition toward a sustainable model that will not exacerbate the already-dire straights our fossil fuel and single-use model has put us in.

Written
Testimony

The bill mandates that all new single-family homes use solar water heaters instead of old, outmoded water heaters powered by the dirty fossil fuels of the past, and Bill 25 will also require new homes to be more energy efficient. A strong Bill 25 will also require new homes to be EV-ready and solar ready so that residents can easily charge electric vehicles to make the absolutely imperative switch to clean, affordable energy.

A strong Bill 25 will help fight climate change, expand Honolulu's clean energy economy, improve air quality, and make our city healthier and more economically vibrant for future generations.

Please ensure that this important bill passes as soon as possible. I'm counting on you to make our city a leader on clean energy.

Thank you so much for your time.

Testimony

Attachment

Accept Terms
and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:12 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Kierra
Phone 8084927700
Email kierraakima@student.midpac.edu
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Kierra Akima, Honolulu, Hawai'i 96821

Testimony

Attachment

Accept Terms
and Agreement

1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:11 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Knut Robinson
Phone (808) 341-8033
Email Knut@therobinson.com.
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written Testimony This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 12:09 PM
Subject: Council/Public Hearing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Marilyn Mick
Phone 8084797764
Email m2@pobox.com
Meeting Date 01-23-2020
Council/PH Council
Committee
Agenda Item Bill 25, CD2
Your position on the Support
matter
Representing Self
Organization
Do you wish to speak No
at the hearing?

Written Testimony I support CM Elefante's CD2, agenda item 7, Bill 25. A city solar water heater requirement that is fully consistent with state law Requires all new construction be PV-ready Requires all new construction be built to offer Level 2 EV charging; with reduced specifications for retail and affordable housing structures. And allows jalousies. Do not cave to the developers.

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 12:37 PM
Subject: Council/Public Hearing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Molly Mamaril
Phone 808-220-1171
Email mollymamaril@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Council
Agenda Item Agenda item 7, Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Honolulu City Council Members,

I hope you are well. I am writing in support of Agenda Team, Bill 25 introduced by Council Member Elefante.

I believe that the following version of the bill should move forward for the benefit of Honolulu residents and the environment.

Written Testimony Environmental CD 2 (introduced by Elefante):
-A city solar water heater requirement that is fully consistent with state law
-Requires all new construction be PV-ready
-Requires all new construction be built to offer -Level 2 EV charging; with reduced specifications for retail and affordable housing structures
-Allows jalousies

Mahalo nui for your time and consideration.
Sincerely,
Molly Mamaril
(Makiki Resident)

Testimony
Attachment

From: CLK Council Info
Sent: Wednesday, January 22, 2020 12:06 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Chia Tan
Phone 7655322983
Email chiaxiang@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.
Chia Tan, Kailua HI, 96734

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 12:14 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Kenneth Hirsch
Phone	808-373-1783
Email	ken@withers-hirsch.com
Meeting Date	01-22-2020
Council/PH Committee	Zoning
Agenda Item	agenda item 7, Bill 25
Your position on the matter	Support
Representing Organization	Self
Do you wish to speak at the hearing?	No
Written Testimony	Please note that I wish to support Environmental CD 2 (introduced by Elefante), but NOT the Developer CD 2 (introduced by Kobayashi).
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 12:44 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Stephen Canham
Phone 8082266366
Email swc1837@gmail.com
Meeting Date 01-23-2002
Council/PH Committee Zoning
Agenda Item Bill 25, Elefante Amendment
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written Testimony I urge the Council to adopt CM Elefante's CD2 for Bill 25, pertaining to energy. I strongly oppose CM Kobayashi's amendment to the bill, which I find regressive and short-sighted. Please support CM Elefante's reasonable amendment. Thank you.

Stephen Canham, PhD
Kaneohe, HI

Testimony Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 12:44 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Jordan Sunset Moniuszko

Phone 8082843209

Email jwm7r@virginia.edu

Meeting Date 01-23-2020

Council/PH
Committee Zoning

Agenda Item Bill 25

Your position on
the matter Support

Representing Self

Organization

Do you wish to
speak at the
hearing? No

Written
Testimony Requiring solar hot water for new developments is a no brainer. It will help us reach the States renewable energy goals but more importantly it won't prevent us from reaching them. The cost to implement is a drop in the bucket for developers and mortgage lenders but if it needs to be financed after the fact of a home purchase is too much of a burden for homeowners for it to get done.

Testimony
Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 12:42 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Jeffrey Vesci
Phone	8087555587
Email	jeffreyvesci@gmail.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	7 bill25
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	Our elected officials are supposed to fight for the good of the people, not just corporations. Time to take a stand is now!
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 12:32 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Nathan Leo Braulick
Phone 808.265.1720
Email braulick@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item BILL 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written Testimony I'm am writing in support of CM Elefante's CD2 of BILL 25. It clarifies and strengthens the intention of the original bill regulating the design and construction of residential and commercial buildings for the effective use of energy through the adoption of the State Energy Conservation Code (2017). Please do not allow special interests and developers to weaken and undermine the requirements we desperately need in Hawaii to ensure a sustainable energy future.

Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 12:26 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Millicent Cox
Phone	8588767416
Email	midicox@gmail.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	CD-2
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	I strongly support Bill 25 for the long term health and welfare of Honolulu.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 12:23 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Andrea Anixt
Phone 8082378595
Email andreapeatmoss6@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25, item 7,CD2
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written Testimony Aloha,
The strongest energy efficiency policy is what needs to be supported now. The cost to the future of our keiki and for us is immeasurable if we do not try our best to stop the worst aspects of climate change NOW. Please do not water down BILL 25, CD2 is what needs to pass.
Mahalo,
Andrea Anixt
P.O. Box 646
Ka'a'awa, HI. 96730
8082378595

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 12:23 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Kate Whittingham
Phone 4153288258
Email kwhittingham16@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7, Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written Testimony I fully support CM Elefante's CD2 proposal for Bill 25 to support energy efficiency. As a young adult looking to settle down in Hawaii, I want this bill passed. It is much better to update our energy codes and become more energy efficient now than to have to redo everything in the future. I want to buy a house here that is energy efficient and financially feasible, which can be made possible through Bill 25. The world is already changing to adapt to climate change and Hawaii must adapt with it. Solar heating and electric vehicles and energy efficient buildings are becoming standard in many cities and we need to be one of those places. Developers are fighting against Bill 25 for their own economic benefit. Bill 25 will be beneficially to all citizens of Hawaii and I strongly urge you to pass this bill. Please support Bill 25 to help make Hawaii more energy efficient.

Testimony Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 12:27 PM
Subject: Public Infrastructure, Technology and Sustainability Speaker Registration/testimony

Speaker Registration/Testimony

Name	Jia Cashon
Phone	4242121429
Email	jiacashon94@gmail.com
Meeting Date	01-23-2020
Council/PH Committee	PITS 2-14
Agenda Item	Bill 25
Your position on the matter	Support
Representing Organization	Self
Do you wish to speak at the hearing?	No
Written Testimony	Solar paneling is a great solution to sustainable energy and power for homes and also the encouragement of electric cars. Any steps towards reusable energy is a step in the right direction.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

Testimony in Support of Bill 25, CD2 (Elefante)

I strongly support this bill. I do not support any developers or corporations who place their concern for making a profit above concern for our island, our children, or our environment. The opponents of this bill are obviously not interested in creating a sustainable future for us or our future generations. I have children and absolutely do care about future generations. I am extremely concerned that we are not doing enough to ensure a sustainable, livable future for them. I cannot understand how any sensible person would not want this bill to become law.

It makes complete sense to require new construction to be built with the future in mind (wired for level 2 EV charging and equipped for PV installation). This saves costs on future retrofitting while not significantly increasing the cost of current construction. Similarly, authorizing the City to follow through on the state's solar water heater mandate saves homeowners a lot of money on their monthly electricity bills, while not significantly increasing the cost of housing or putting the gas company out of business. For the solar water heater mandate, there is a variance process for homeowners who would really prefer a gas water heater in their home. How can anyone argue that these things anything other than positive?

Please protect our `aina and our future. Please pass this very important, common sense bill, and please pass it without weakening it. We need your help and ask that you do the right thing.

Thank you very much for your time and attention.

Mahalo,
Lory Ono

From: CLK Council Info
Sent: Wednesday, January 22, 2020 1:31 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Wendy Meguro
Phone 8089567225
Email north48791695@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25 (2019) – Relating to the Adoption of the State Energy Code
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Dear Chair Menor and Councilmembers:

Written Testimony As a Honolulu resident and a specialist in energy efficient building design, I support Bill 25 and the amendment package introduced by Councilmember Elefante to update outdated building energy codes in order to mitigate climate change.

Sincerely,
Wendy Meguro, AIA, LEED AP BD+C
Architect and Assistant Professor

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 1:18 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Shu Yuan Hsieh, LL.B., Ph.D.
Phone	8083964446
Email	susiehsieh888@gmail.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	25
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	Let's be the GREEN state for the nation and for the world!
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 1:18 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name David Atcheson
Phone 8082265209
Email atchesond@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25 (2019), CD2 Elefante
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written
Testimony

I believe the CD2 versions of Bill 25 became available after I submitted testimony on 01/21/20. After reviewing the new drafts, I would like to register my strong preference for Councilmember Elefante's CD2 over the CD2 proposed by Councilmember Kobayashi. I wrote before, "Many pieces of the puzzle are coming together in Hawaii and on Oahu to increase resiliency and do our part in mitigating climate impacts. One of the puzzle pieces that is yours to shape and place is a strong Bill 25." Of the two CD2s, Councilmember Elefante's CD2 is clearly the stronger one. That is the direction we need to go if we are serious about doing our part in mitigating the climate crisis and transforming our energy systems. Mahalo for this opportunity to append to my testimony.

Testimony
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 1:16 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Tristan S Bassingthwaighte
Phone 4063966446
Email DeepSpaceDesigner@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written Testimony

I have a masters and doctorate in architecture as well as a LEED AP certification in building design and construction. I have done work in sustainable buildings, ecological systems, and planning. I wish to give my wholehearted support to Bill 25; we need far more than this if we are going too come remotely close to reversing climate change. Here in Hawaii, the projected sea level rise of even the next ten or fifteen years might be enough to see my home under water. While it will take the world acting together to reverse something so large, we can at the very least act as an example for others to follow and ensure the energy created here on island is being used to its full capacity. We have the technology today to make the island virtually energy independent, and continuing to use fossil fuels in order to avoid infrastructural changes is only going to harm us in the future.
Please pass bill 25 and make Oahu an example of positive environmental change.

Testimony Attachment
Accept Terms and Agreement

1

IP: 192.168.200.67

Testimony in **Support** of Bill 25 "Relating to the Adoption of the State Energy Conservation Code"

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

Bill 25 is long overdue. The planet is in a climate crisis right now and what are we doing about it in our state? It is our responsibility to take immediate action to reduce carbon particles in our atmosphere. This means we have to get off of fossil fuels and decrease our dependency on non-renewables now. July 2019 was the hottest July on record for Hawaii and records for heat were shattered across the nation. Each year in the past decade was hotter than the last and the devastating effects of climate change are being experienced across the earth. This is serious, scary factual data and the impacts cannot be ignored in order to save obsolete, polluting energy solutions and jobs. There will be plenty of jobs in the field of clean energy. This is the future and we must adapt and move on, just as we must move away from coal and oil dependency. Fracking for natural gas is irreparably destroying huge areas of the environment in some states and we can no longer rely on obsolete, polluting energy sources such as this in order to preserve jobs. We must work to preserve the health of the planet for all citizens of the earth

Bill 25 is a comprehensive measure that will be the beginning of steps that need to be taken to help Oahu significantly reduce greenhouse gas emissions from new homes and buildings, but more needs to be done. As an island state, Hawai'i is even more vulnerable to climate change impacts. We are already experiencing the damaging effects of sea level rise and it is expected to get worse. Are we going to try to legislate measures to try to stop global warming, or just keep ignoring it in order to save jobs? We have good green energy alternatives available to us. Why not amplify their use, make them economically feasible, and require it instead of supporting dirty energy sources? I have solar panels on the roof of my house and already save hundreds of dollars every month because of them.

Bill 25 is a comprehensive measure that will be the beginning of steps that need to be taken to help Oahu significantly reduce greenhouse gas emissions from new homes and buildings, but more needs to be done. Our island is totally unprepared to transition to electric vehicles. The lack of EV charging stations currently in residences and parking structures is problematic already. Bill 25 would be a step toward remedying that problem. Old parking structures for residences and businesses often don't have any charging stations and this is discouraging people from buying electrical cars.

It is absolutely necessary to require that new commercial buildings and multi-family developments have the wiring, conduit, and electrical capacity for charging stations to be installed later as this Bill requires. But, it would make more sense to require installation of EV charging stations in these buildings at the time of construction and at least 75% of the stalls should have them. In addition to solar water heaters and efficiency heat pump water heaters, homes should also be required to have solar panels or solar roof tiles.

Global warming is creating a dire situation and we aren't doing enough. Bill 25 would be a step in the right direction. Please support Bill 25 and all efforts in our state to help reverse global warming.

Aloha,
Beth Anderson
Kailua

From: CLK Council Info
Sent: Wednesday, January 22, 2020 2:13 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Brian Goodyear
Phone 8087353713
Email bsgoodyear@aol.com
Meeting Date 01-23-2020
Council/PH Zoning
Committee
Agenda Item Agenda item 7, Bill 25 CD2
Your position on the Support
matter
Representing Self
Organization
Do you wish to No
speak at the hearing?

Written Testimony I am writing to express my strong support for the version of the bill introduced by Council Member Elefante. This bill will represent an important step in the movement toward sustainability for the City and County of Honolulu.

Testimony
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 1:58 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Art Isbell
Phone 8083527156
Email aisbell@icloud.com
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item Item 7, Bill 25
Your position on
the matter Comment
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Please vote in favor of Brandon Elefante's CD2 to Bill 25.

I bought my first EV in 2012. The cost of installing a Level 2 charging circuit in my condo parking space would have been prohibitive, so I relied on nearby public charging stations for 2 years, a very unsatisfactory solution.

In 2014, I bought my second EV. Installing a Level 2 charging circuit in the parking space of my new condo was expensive (\$3,300) and took 15 months for the approval of a commercial electrical permit and the installation of the charging circuit.

Written Testimony The time and expense to have a Level 2 charging circuit installed would have been decreased dramatically had my parking space been EV-ready for Level 2 charging as Elefante's CD2 proposes.

The charging speed of Level 1 charging is insufficient for many EV drivers, so the Level 2 requirement of Elefante's CD2 should be supported.

With climate change already affecting Hawai'i, we must do everything reasonable to minimize our contributions to further climate change. Making all new construction PV-ready and equipped with solar water heating should be minimum requirements.

Thank you for your consideration!

Testimony
Attachment

From: CLK Council Info
Sent: Wednesday, January 22, 2020 2:30 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Will Caron
Phone 8083874920
Email willcaronforhawaii@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25 CD2 (Elefante)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Dear Honolulu City Council Committee Members:

As your constituent, I'm writing to express my support for a strong Bill 25, as is presented in Councilmember Elefante's CD2. Climate catastrophe is upon us. As Australia continues to burn, as super typhoons continue to pummel islands across the Pacific, as erosion already threatens our island infrastructure, we are not ready. We are woefully unprepared for the climate challenges of the 21st century. We need to do everything we can public policywise to catch up, and quickly.

Written
Testimony

Bill 25 CD2 is a small, but significant and meaningful step toward shifting our infrastructure, economy and social composition toward a sustainable model that will not exacerbate the already-dire straights our fossil fuel and single-use model has put us in.

The bill mandates that all new single-family homes use solar water heaters instead of old, outmoded water heaters powered by the dirty fossil fuels of the past, and Bill 25 CD2 will also require new homes to be more energy efficient. Bill 25 CD2 will also require new homes to be EV-ready and solar ready so that residents can easily charge electric vehicles to make the absolutely imperative switch to clean, affordable energy.

A strong Bill 25 (CD2) will help fight climate change, expand Honolulu's clean energy economy, improve air quality, and make our city healthier and more economically vibrant for future generations.

Please ensure that this important bill passes as soon as possible. I'm counting on you to

make our city a leader on clean energy.

Thank you so much for your time.

Testimony
Attachment

Accept Terms
and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 11:04 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Michael L Quisenberry
Phone 8082646232
Email mlqhawaii@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item bill 25
Your position on the matter Oppose
Representing Self
Organization
Do you wish to speak at the hearing? No

Written
Testimony

I am a mechanical engineer with an energy background and I oppose this bill. These types of bills make it more expensive to live in Hawaii by increasing costs of building construction. Not only that, these newer technology water heaters don't have the technical support necessary to fix them on Oahu or the neighbor islands. I have been working for months with Sears and Bradford white (GE warranty fulfillment) trying to fix a GE Geosprings Heat pump water heater. My family owns two. Still bradford white and sears have not been able to fix it. Do not force people to have less options and even bad options for home construction, IMU!

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

Speaker Registration/Testimony

Name Kevin Nishimura
 Phone 8085945573
 Email knishimu@hawaiiigas.com

Meeting Date 09-04-2019

Council/PH
 Committee Zoning

Agenda Item Bill 25

Your position on
 the matter Oppose

Representing Self

Organization

Do you wish to
 speak at the
 hearing? No

I oppose the language that is proposed for R403.5.5 Exception, that requires a gas-powered water heater option to be "fueled by a source that is not less than 90 percent renewable"

Written
 Testimony The other two options, a grid-interactive water heater and a heat pump, both do not have a requirement to have fuel with any specified amount of renewable sources. This is not fair, not feasible, and just plain wrong; as it eliminates the gas-powered water heater option entirely, until such time that consumers have access to 90 percent renewable gas supply.

Testimony
 Attachment

Accept Terms
 and Agreement 1

IP: 192.168.200.67

Speaker Registration/Testimony

Name David J Hunt
 Phone 2086608498
 Email davidjameshunt@hotmail.com
 Meeting Date 10-02-2019
 Council/PH Committee Zoning
 Agenda Item Bill 25, CD1
 Your position on the matter Oppose
 Representing Self
 Organization
 Do you wish to speak at the hearing? No

Please revise Bill 25 so that it does not penalize me - and others like me:

Written
Testimony

I built an extremely efficient 720 sf studio-home and chose a very efficient (expensive) on-demand Renai brand gas water heater and quality stove/oven. My stated intention during my permitting process was to add a second bathroom and a separate sleeping room (bedroom). I want to continue to utilize my 2 permitted, existing gas appliances when I am able to afford my addition.

Testimony
Attachment

Accept Terms
and Agreement 1

IP: 192.168.200.67

Speaker Registration/Testimony

Name Terrence Lohrey
 Phone 8083712118
 Email tj94801@yahoo.com
 Meeting Date 09-28-2019
 Council/PH Zoning
 Committee
 Agenda Item Bill 25
 Your position on the matter Oppose
 Representing Self
 Organization
 Do you wish to speak at the hearing? No

I applied and was granted a NEM program application hired Haleakala solar In October 15th 2015 HECO cancelled my NEM program application didn't install photo voltaic in time, with an extension yet, Problem I could not secure financing for the project. Was denied by over 10 banks , credit unions, & savings due to the 2008 housing bust banks credit unions no longer accept stated income, I have a fixed income verifiable to \$600.00/month Social Security . not even close to qualifying # solar installation 2 systems for a duplex home w/ 2 meters.\$38,000.00 cost. So then turned to the GEMS program to finance with HECO Billing , This to pay back. This failed, due to corruption on HECO controlling interest of GEMS program. I believe HECO would not finance the installation, due to the fact of loosing future funds from this property to the tune of approx. \$600.00/month between 2 HECO Bills. (Duplex) That's \$7,200.00/year \$72,000.00/10 years It is then no wonder HECO refused, or sent notice to Washington DC administrators of the GEM program to not approve it. So Bill 25 is the dumbest bill ever, no provisions for modification of bill (Needed) How can a person such as me afford solar heater installation. I cannot get a loan of any kind refinance, reverse mortgage, home equity, Only a personal loan (with not a very good interest terms ,not an option) I currently Have a solar passive system 2. this feeds 2 thankless water heaters , Natural Gas fired, This works quite well, water is heated some before entering thankless water heaters, The savings per water heater system around @ \$50.00/month each on gas bill. This bill if passed will open up a black market to purchase gas water heaters. This bill will penalize the common small guy with limited income. Is this not discriminatory of the poor!(sick) Need to reword & modify this bill 25 or don't pass it as it is written.

Testimony
 Attachment
 Accept Terms
 and 1
 Agreement

IP: 192.168.200.67

From: CLK Council Info
Sent: Monday, September 30, 2019 4:41 AM
Subject: Council/Public Hearing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Ray. J. Dion
Phone 808 6263853
Email Work@rayinhawaii.net
Meeting Date 09-04-2019
Council/PH Committee Council
Agenda Item Bill 25
Your position on the matter Oppose
Representing Self
Organization
Do you wish to speak at the hearing? No

Written Testimony There should always be options. Cost Should be considered. Recovery after a storm needs options that gas can provide better options for recovery than replacing individual solar systems. Who pays for the recovery? Home owners will not be in a position to help.

Testimony Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Thursday, October 31, 2019 8:23 AM
Subject: Council/Public Hearing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Robert K Lee
Phone	808 671 8218
Email	robertclaire@hawaiiantel.net
Meeting Date	10-23-2019
Council/PH Committee	Council
Agenda Item	No! Regarding Bill 25.
Your position on the matter	Oppose
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	Hawaii Gas is Clean Energy, Proficient and Cost Effective. We are extremely happy happy happy with this service.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

Date: September 25, 2019 *Kirk Caldwell, Mayor*
**To: Honolulu City Council; Mark Nakashima, Big Island
Legislator; Mayor Harry Kim; Hawaii Gas Company - Alicia
Moy**
**Re: Bill 25: United Nations Agenda 21 Taking over City
Councils on Environmental Initiatives Across America**

- 1. Honolulu City Council is considering Bill 25 which will eliminate from homeowners, the choice of gas water heaters in new homes. Any home renovations will force a switch to energy other than gas.**
- 2. The Council's legal ability to intrude upon an American's private right of consumer choices, prohibit the gas industry's right to commerce, permit an illegal monopoly of the electric industry, are very concerning issues. America's economic strength is in its oil and gas, and Honolulu Council's plan to inhibit the national goals of reinvigorating domestic industry and providing jobs is also concerning.**
- 3. The bill does not address such concepts of cost savings with innovative point of use gas water heaters, which are competitive to any cost savings with a solar water heater. Other new innovations, perhaps with new energy sources superior to electric, might appear on the market at any time in the future and should be also an option for the consumer.**

4. The bill's main concern appears to be a push to reduce fossil fuel emissions to "fight climate change". The bill is championed by the National Resources Defense Council, an NGO tax refuge of attorneys committed to "saving the environment". This organization is another predator stealth outfit, in line with the United Nations One Worlder intent to eventually divest Americans of private property and free enterprise.
5. The UN Agenda 21's 1992 policy document calls for Smart Growth and Sustainability to remake the world into a new global order. Alexandra Swann is a critic of Agenda 21 and author of several books on the impact of excessive government regulations, including those designed to prevent climate change, on American society and freedom. Lord Christopher Monckton in 2012, began to speak out against the UN Agenda 21 and Environmental Marxism, and the fake science behind the "Climate Change" initiatives. Clint Richardson is also a critic of Agenda 21, Common Core and Global Privatization – how NWO Globalists are taking over America and the world. Richardson analyzes how America is being undermined, subverted and gradually transformed by private corporations into a third world nation. This subversion is happening incrementally in city council chambers across the nation.
6. The One Worlder push to use federal (and state) lands for profit was recently seen in the Clintons' sale of

Uranium One to Russia. The uranium was on cowgrazing lands the Bundy Ranch in Nevada leased, and was also the site where Chinese were planning a solar harvesting company. The Bundy Cowboys were threatened repeatedly by Federal and State enforcers, and their resistance led to Oregon, where the cowboys began supporting other ranchers. The armed Federal agents shot and killed one of the cowboys in the back while his hands were up in surrender.

7. Geologist Gregory Whitestone debunks the CO₂ myth that warns of a global environmental apocalypse. Although fossil fuels are contributing to a slight increase of CO₂, this amount is negligible in the scope of geological time. Earlier ages, the CO₂ emissions were naturally much higher. Whitestone also says rising temperatures will actually increase world prosperity with more food output. Higher ocean levels from melting glaciers result in higher rainfall. Current technologies have improved previous epochs on cleaner air and water. NASA's satellite analyses shows that there is 50% more greening of the earth and 4% browning loss (arid areas). Southern Sahara, India and China are BENEFITTING from new areas of vegetation greening.
8. The Paris Climate Accords and similar proposed treaties, are a subversive agenda to impose a world carbon tax, which will primarily oppress the first world nations. In the meantime, India and China are boldfaced in

refusing to stop their fossil fuel emissions, which are multiple times more than America's. While City Councils impose taxes and restrictions on Americans, Chinese and Indians burn up industrial emissions to increase their economic output. There is even a ridiculous environmental proposal to outlaw American cows for methane FARTING.

- 9. Since Honolulu City and County taxation and regulations invariably impact Hawaii Island (we pay for the cost overruns of the Honolulu Rail Transit, which we do NOT benefit from), please do NOT pass this Bill.**

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:22 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	TV (8th grader at SEEQS)
Phone	6773377
Email	r.calvan@seeqs.org
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25
Your position on the matter	Oppose
Representing Organization	Self
Do you wish to speak at the hearing?	No
Written Testimony	I OPPOSE the Bill 25 because it would cost more money and would negatively impact our economy and would only cost more for other people.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 8:40 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Kevin Nishimura
Phone 8083519715
Email kevnish1234@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Oppose
Representing Self
Organization
Do you wish to speak at the hearing? No

Written Testimony
Regarding Subsection R403.5.5 Solar water heating, I believe that the City should be consistent with State law already establishes the requirement for Solar water heating systems on new homes. There is no reason to set different requirements for home builders on Oahu. Hawaii County recently adopted a similar Bill that aligns their County code with the State law. Please keep things simple, affordable for home builders, and preserve the options for our residents. Thank you.

Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:58 AM
Subject: Council/Public Hearing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Diana Su-Niimi
Phone 8083881587
Email diana.su2@gmail.com
Meeting Date 01-29-2020
Council/PH Committee Council
Agenda Item Bill 25 Energy Code: Mandatory EV stalls
Your position on the matter Oppose
Representing Self
Organization
Do you wish to speak at the hearing? No

I oppose the proposed bill for the following reasons:

Written
Testimony

- Imposing another government mandate on retailers would drive up the cost of living in Hawaii and ask that retail be exempt from this measure.
- EVs still makes up only 1% of the cars on Hawaii's roadways with our understanding that the majority of the EV ownership is in the urban areas.
- State law calls for every 100 stalls 1 stall have an EV charger. City Council proposals call for Business with 12 or more parking stalls have 25% EV charger ready for new construction.
- New construction under this measure is NOT defined. Does it include renovations and expansion? Repaving the parking lot considered new construction?
- Mandating the installation of EV ready parking stalls will increase the overall cost of living in Hawaii even higher than it is now as the cost gets passed on to the customer.
- Businesses are already closing their doors as they can no longer afford to keep them open due to the higher cost of rent or customers stop coming because they can find the items cheaper online
- The proposals do not consider the ADA parking requirements needed for car and van accessibility when factoring in the 25% EV charger ready stalls.
- New shopping centers, especially in the urban core areas are

already including an increase in EV chargers and EV charger ready stalls when building and expanding.

- Retailers and Shopping Centers are not in the business of refueling/recharging.
- We are concerned that government will begin to mandate "reserved parking stalls" for all of the various types alternative gas powered vehicles and that businesses with large parking lots would just become a reserved parking charging station for the public and not able to offer convenient parking for the customers that actually shop in the stores
- Government should be encouraging a new cottage industry to build quick charging stand alone stations

Testimony
Attachment
Accept Terms
and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:29 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	ET
Phone	677-3377
Email	c.chaudron@seeqs.org
Meeting Date	02-23-2020
Council/PH Committee	Zoning
Agenda Item	25
Your position on the matter	Comment
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	I would like less pollution and less factories because it costes air pollution.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:14 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Alexa
Phone (808) 492-7402
Email alexa@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Comment
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Alexa
honolulu
hawai'i 96797

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Wednesday, January 22, 2020 10:14 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Sharlynn
Phone (808) 321-8984
Email sharlynn.nicolas@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Comment
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written Testimony This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring

that a certain percentage of new parking stalls be “EV-ready” (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Sharlynn

Testimony
Attachment

Accept Terms
and Agreement

1

IP: 192.168.200.67

David Atcheson
1212 Nuuanu Ave Apt. 906
Honolulu, HI 96817
atchesond@gmail.com

January 21, 2020

Honolulu City Council - Committee on Zoning, Planning and Housing
via <http://www.honolulu.gov/ccl-testimony-form.html>

RE: Bill 25 – Relating to the Adoption of the State Energy Conservation Code
Support, with amendments

Dear Committee Chair Menor and Committee Members,

I submitted testimony on Bill 25 for previous meetings of the Committee on Zoning, Planning and Housing (7/25/19 and 8/25/19). Just letting you know I continue to follow this bill closely and would like to see the council pass it, with amendments consistent with the climate emergency and the best long-term interests of home owners and renters.

Without repeating all of my previous testimony, here in summary is what I would like to see:

- **Please strengthen the requirement for the percentage of parking stalls that must be EV-ready.** Given how fast we must transform our energy system in the face of a climate emergency, 25% is not adequate. Vancouver, B.C. is going with 100% and I hope we consider doing the same.
- In the same vein of looking ahead to needs of the near future, **those chargers should be Level 2.** Let's alleviate range anxiety and build infrastructure now that provides the most efficient and flexible solutions for the future. Please recall the point I made in prior testimony about electric

vehicle car sharing in condos -- that is one example where rapid charging will be especially helpful.

- **Please preserve the solar hot water heating requirement.** Not only is in the economic interest of Hawaii residents paying utility bills, it's simply the right thing to do in a time where we must go "all in" on climate solutions. This is low-hanging fruit we would be wise to pick soon.

Many pieces of the puzzle are coming together in Hawaii and on Oahu to increase resiliency and do our part in mitigating climate impacts. One of the puzzle pieces that is yours to shape and place is a strong Bill 25.

Mahalo for considering my comments.

Sincerely,

David Atcheson

From: CLK Council Info
Sent: Sunday, January 19, 2020 1:59 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name William Reese Liggett
Phone 8082222088
Email wliggett@twc.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 (Bill 25, 2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? Yes

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,
We know that our climate is in a man-made crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O‘ahu. Bill 25 is the next logical step in our island’s progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

- The City has its own authority to advance the solar water heater mandate consistent with state law, which provides an exemption that homeowners can apply for if a gas water heater truly makes sense for them.

- Electric vehicle charging infrastructure is ubiquitous on O‘ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready

- All new construction on O‘ahu is as energy efficient as possible

Bill 25 moves us in this direction. Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O‘ahu because:

- Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters

- Solar water heating significantly reduces monthly electricity bills compared to gas water heaters

- Electric vehicles are cheaper to operate and maintain than gas cars

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency.

Thank you for the opportunity to testify and for taking up this important measure at the council.

Written Testimony

Sincerely,
William Reese Liggett

Testimony
Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Monday, January 20, 2020 8:56 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Denise Boisvert
Phone 415-845-5495
Email infofordenise@yahoo.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? Yes

I fully support planning for the future, and Bill 25 does that.

One doesn't have to strain to wonder why fossil fuel companies and developers oppose these types of bills worldwide.

Written Testimony The only future the fossil fuel companies care about involves continued long-term dependence on the status quo; regardless how it is known to hurt the environment, the whole planet, and ultimately all living creatures on it.

And it is obvious that developers only care about the immediate future; spending less on materials for quick and bigger profits, regardless of how antiquated their construction will be in 10 or 20 years.

Please pass Bill 25 at its full strength, with all the bells and whistles that were written into it - and not watered down, because we all know we shouldn't waste water!

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Monday, January 20, 2020 4:12 PM
Subject: Council/Public Hearing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Laura Gray
Phone 8082607920
Email laurag@divefish.com
Meeting Date 01-23-2020
Council/PH Committee Council
Agenda Item 7
Your position on the matter Support
Representing Self
Organization

Do you wish to speak at the hearing? Yes

Written Testimony Please help up to save our islands and EARTH ISLAND by requiring all new construction to be sustainable. We do not need to be using old, dirty energy that speeds up climate change. We are about to sink our road! Mahalo, and please do the right thing. Laura Gray R.N. Punalu'u.

Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 3:48 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name William Metzger
Phone 8089886220
Email wjmetzger@hotmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? Yes
Written Testimony Each and every decision we make today to reduce our dependence on oil and gas will someday soon lessen the pain and suffering of ALL of Hawaii's species.
Testimony Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Monday, January 20, 2020 8:12 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name P Tibbs
Phone 8087345518
Email TIBBS@HAWAII.RR.COM
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item 7 (Bill 25, 2019)
Your position on
the matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Written Testimony I strongly support Bill 25 because it is needed to address the greatest issue of our lives, the climate crisis, and will reduce costs for Oahu residents. Please pass this bill to yield greater energy efficiency, solar hot water, and electric car use, all of which are needed to reduce fossil fuel use. Mahalo!

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Monday, January 20, 2020 7:12 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Aline Tran
Phone 2028386266
Email colorless.kaleidoscope@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,

Our climate future is not unknown but it is uncertain. We know that our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O'ahu. Bill 25 is the next logical step in our island's progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

Written Testimony The City has its own authority to advance the solar water heater mandate consistent with state law because the science shows solar water heaters are better for the climate and the finances demonstrate that solar water heaters significantly reduce the monthly cost of living for homeowners and renters
Electric vehicle charging infrastructure is ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready.
All new construction on O'ahu is as energy efficient as possible.
Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O'ahu (not increase it) because:

Time and again economists have shown that solar water heating significantly reduces monthly electricity bills.

It is estimated that retrofitting buildings to provide EV charging is 4-8-times more expensive than constructing them with that capability built-in.

Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency.

Thank you for the opportunity to testify and for taking up this important measure at the council.

Sincerely,

Aline Tran

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Monday, January 20, 2020 4:36 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Benton Kealii Pang, Ph.D.
Phone	8083493636
Email	launahele@yahoo.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	7. BILL 25 (2019), CD1 – RELATING TO ADOPTION OF THE STATE ENERGY CONSERVATION CODE
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	This bill helps address climate change and resilience for our island.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Monday, January 20, 2020 4:10 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Shannon Murphy
Phone	8084767887
Email	shanshanmurphy27@gmail.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	7 (Bill 25, 2019)
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Monday, January 20, 2020 4:06 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Nathan Yuen
Phone 8082653283
Email 808nateyuen@gmail.com
Meeting Date 01-24-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,

I strongly support Bill 25. We need to take bold action to reduce Honolulu's carbon emissions.

Bill 25 provides a framework for a livable, stable climate future. We need bill 25 to address these issues:

The City should advance the solar water heater mandate consistent with state law because the science shows solar water heaters are better for the climate and the finances demonstrate that solar water heaters significantly reduce the monthly cost of living for homeowners and renters

Written Testimony

Electric vehicle charging infrastructure is ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready.
All new construction on O'ahu is as energy efficient as possible.

Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O'ahu (not increase it) because:

Time and again economists have shown that solar water heating significantly reduces monthly electricity bills.

It is estimated that retrofitting buildings to provide EV charging is 4-8-times more expensive than constructing them with that capability built-in.

Energy efficiency measures are a no-brainer way to reduce monthly electric bills for

homeowners and renters

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency.

Thank you for the opportunity to testify and for taking up this important measure at the council.

Sincerely,
Nathan Yuen

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Monday, January 20, 2020 1:13 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Victoria Anderson
Phone 8083679296
Email vanderso@hawaii.edu
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item 7 (Bill 25, 2019)
Your position on the
matter Support
Representing Self
Organization

Do you wish to
speak at the hearing? No

Written Testimony Bill 25 is VERY IMPORTANT. We need it in its strongest possible form, in order to address climate collapse, which is already happening around us. It will also reduce energy costs for people on Oahu. Win-win, no brainer.
Mahalo!

Testimony
Attachment
Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Monday, January 20, 2020 12:39 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Brenda Coston
Phone	8504189665
Email	bmcoston@hawaii.edu
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Monday, January 20, 2020 9:24 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Kim Jorgensen
Phone	415-845-5495
Email	hawaiiicondo@yahoo.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	I FULLY SUPPORT Bill 25 because there is no time like the present to plan for an energy-efficient future. Please pass it in its strongest form possible.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Monday, January 20, 2020 8:04 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Andrew Grandinetti
Phone 8087419722
Email andrewg@hawaii.edu
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,

Our climate future is not unknown but it is uncertain. We know that our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O'ahu. Bill 25 is the next logical step in our island's progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

Written Testimony The City has its own authority to advance the solar water heater mandate consistent with state law because the science shows solar water heaters are better for the climate and the finances demonstrate that solar water heaters significantly reduce the monthly cost of living for homeowners and renters

Electric vehicle charging infrastructure is ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready.

All new construction on O'ahu is as energy efficient as possible.

Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O'ahu (not increase it) because:

Time and again economists have shown that solar water heating significantly reduces monthly electricity bills.

It is estimated that retrofitting buildings to provide EV charging is 4-8-times more

expensive than constructing them with that capability built-in.

Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O'ahu's climate resiliency.

Thank you for the opportunity to testify and for taking up this important measure at the council.

Sincerely,
Andrew Grandinetti, PhD

Testimony

Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Sunday, January 19, 2020 10:08 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Ted Bohlen
Phone 8082943689
Email Tbohl8@yahoo.com
Meeting Date 01-23-2019
Council/PH
Committee Zoning
Agenda Item Bill 25 (2019)
Your position on
the matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Written Testimony I strongly support Bill 25 because it is needed to address the greatest issue of our lives, the climate crisis, and will reduce costs for Oahu residents. Please pass this bill to yield greater energy efficiency, solar hot water, and electric car use, all of which are needed to reduce fossil fuel use. Mahalo!

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Sunday, January 19, 2020 9:49 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name JULIA FUJIOKA
Phone 8084869326
Email JFUJIOKA@HAWAIIANTEL.NET
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 (Bill 25, 2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha, Chair Menor and Members of Zoning, Planning and Housing Committee:

We know that our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O'ahu. Bill 25 is the next logical step in our island's progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

- Written Testimony
- The City has its own authority to advance the solar water heater mandate consistent with state law, which provides an exemption that homeowners can apply for if a gas water heater truly makes sense for them.
 - Electric vehicle charging infrastructure is ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready
 - All new construction on O'ahu is as energy efficient as possible
- Bill 25 moves us in this direction. Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O'ahu because:
- Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters
 - Solar water heating significantly reduces monthly electricity bills compared to gas water

heaters

- Electric vehicles are cheaper to operate and maintain than gas cars

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency.

Thank you for the opportunity to testify and for taking up this important measure at the council.

Sincerely,
Julia Fujioka

Testimony

Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Sunday, January 19, 2020 9:18 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Angela Huntmer
Phone	8082243101
Email	ahuntmer@aol.com
Meeting Date	01-28-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25
Your position on the matter	Support
Representing Organization	Self
Do you wish to speak at the hearing?	No
Written Testimony	Aloha Council Members, I would like to add that sadly missing from the Bill under consideration is mandatory rooftop solar on all new construction. That will have to be next. Mahalo.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Sunday, January 19, 2020 9:15 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Amy Perruso
Phone 8083510980
Email amyperruso@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,

Our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Bill 25 is a necessary step in our island's progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

Written Testimony

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for climate resiliency.

Thank you for taking up this important measure at the council.

Sincerely,

Amy Perruso

Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Sunday, January 19, 2020 8:37 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Angela Huntmer
Phone 8082243101
Email ahuntmer@aol.com
Meeting Date 01-28-2020
Council/PH
Committee Zoning
Agenda Item Bill 25
Your position on the
matter Support
Representing Self
Organization
Do you wish to
speak at the hearing? No

Chair Menor and Council Members,

Please pass Bill 25. The State and you folks at the City have shown that we are leaders and models in adaption to climate change in the US. Bill 25 is an important component of our evolution to stronger resiliency.

It is not rocket science that something primarily powered by the sun will cost less to run than buying a fuel. I am VERY angry the the Gas Company was promulgating lies about Bill 25. Gas is not the direction we are going.

It is crucial that electric vehicle charging infrastructure be included in new construction at the time of construction and not retrofit.

Written Testimony

Energy efficient is of primary importance in new construction on O'ahu. I was disgusted to see the Gas Company and certain developers claiming that Bill 25 would make housing more expensive.

Bill 25 is an important step toward resiliency and also saves money. Thank you for passing it.

Testimony
Attachment
Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Sunday, January 19, 2020 7:35 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Mio Chee
Phone 8082222940
Email mioono@hotmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25 CD1
Your position on the matter Support
Representing Self
Organization

Do you wish to speak at the hearing? No

I am in strong support of Bill 25 CD1. Mahalo for your consideration.

Written Testimony
Mio Chee
Ala Moana resident

Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Sunday, January 19, 2020 2:37 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Art Isbell
Phone 8083527156
Email aisbell@icloud.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 (Bill 25, 2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,

We know that our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Bill 25 is the next logical step in our island's progress toward a livable, stable climate future. Some of my expectations for the future of Honolulu are that:

- The City has its own authority to advance the solar water heater mandate consistent with state law, which provides an exemption that homeowners can apply for if a gas water heater truly makes sense for them.

Written Testimony

- Electric vehicle charging infrastructure is ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready.

- All new construction on O'ahu is as energy efficient as possible.

Bill 25 moves us in this direction and will reduce the cost of living on O'ahu because:

- Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters.

- Solar water heating significantly reduces monthly electricity bills compared to gas water heaters.

- Electric vehicles are cheaper to operate and maintain than gas cars.

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency.

Thank you for the opportunity to testify and for taking up this important measure at the council.

Sincerely,
Art Isbell

Testimony
Attachment

Accept Terms and
Agreement

1

IP: 192.168.200.67

From: CLK Council Info
Sent: Sunday, January 19, 2020 1:08 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Steve and Sherrie Gaudino
Phone (808)744-1764
Email smgaudino@me.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 (Bill 25, 2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee.

Written Testimony We would like to urge you to take urgent action to reduce carbon emissions as outlined in Bill 25. We are confident that the climate is in crisis and that we in Hawaii can do our part to avert the disastrous consequences of climate degradation by passing a Bill that leads us away from fossil fuels.

Thank you for the opportunity to testify on this matter.

Sincerely,

Steve and Sherrie Gaudino

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Sunday, January 19, 2020 10:33 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Randy Ching
Phone 942-0145
Email makikirandy@yahoo.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 (Bill 25, 2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,

I am writing to you today in strong support of Bill 25.

Passing Bill 25 will reduce the cost of living on O'ahu because:

Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters.

Solar water heating significantly reduces monthly electricity bills compared to gas water heaters.

Written Testimony

Electric vehicles are cheaper to operate and maintain than gas cars.

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O'ahu's climate resiliency.

The planet is on fire. We need to act now. Incrementalism just won't work. Bold, decisive -- that's what we need. And the City Council has the opportunity to be both.

Thank you for the opportunity to testify.

Sincerely,
Randy Ching

Testimony Attachment

From: CLK Council Info
Sent: Sunday, January 19, 2020 8:08 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Kalena Thatcher
Phone 808-330-5445
Email karenjt@hawaii.edu
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 Bill 25,2019
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,

We know that our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O'ahu. Bill 25 is the next logical step in our island's progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

Written Testimony The City has its own authority to advance the solar water heater mandate consistent with state law, which provides an exemption that homeowners can apply for if a gas water heater truly makes sense for them.
Electric vehicle charging infrastructure is ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready
All new construction on O'ahu is as energy efficient as possible
Bill 25 moves us in this direction. Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O'ahu because:

Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters
Solar water heating significantly reduces monthly electricity bills compared to gas water heaters
Electric vehicles are cheaper to operate and maintain than gas cars

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency.

Thank you for the opportunity to testify and for taking up this important measure at the council.

Sincerely,
Kalena Thatcher

Testimony
Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Sunday, January 19, 2020 5:33 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Nanea Lo
Phone 8084543504
Email naneaclo@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 (Bill 25, 2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Hello Chair Menor and members of Zoning, Planning and Housing Committee,

We know that our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O'ahu. Bill 25 is the next logical step in our island's progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

Written Testimony The City has its own authority to advance the solar water heater mandate consistent with state law, which provides an exemption that homeowners can apply for if a gas water heater truly makes sense for them.
Electric vehicle charging infrastructure is ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready
All new construction on O'ahu is as energy efficient as possible
Bill 25 moves us in this direction. Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O'ahu because:

Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters
Solar water heating significantly reduces monthly electricity bills compared to gas water heaters
Electric vehicles are cheaper to operate and maintain than gas cars

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency.

Thank you for the opportunity to testify and for taking up this important measure at the council.

me ke aloha ‘āina,
Nanea Lo

Testimony

Attachment

Accept Terms and
Agreement

1

IP: 192.168.200.67

From: CLK Council Info
Sent: Saturday, January 18, 2020 8:11 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Gerlinde Morris
Phone 8089347410
Email gerlinde@hawaii.edu
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 (Bill 25, 2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,

We know that our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O'ahu. Bill 25 is the next logical step in our island's progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

Written Testimony The City has its own authority to advance the solar water heater mandate consistent with state law, which provides an exemption that homeowners can apply for if a gas water heater truly makes sense for them.
Electric vehicle charging infrastructure is ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready
All new construction on O'ahu is as energy efficient as possible
Bill 25 moves us in this direction. Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O'ahu because:

Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters
Solar water heating significantly reduces monthly electricity bills compared to gas water heaters
Electric vehicles are cheaper to operate and maintain than gas cars

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency.

Thank you for the opportunity to testify and for taking up this important measure at the council.

Sincerely,
Gerlinde Morris

Testimony

Attachment

Accept Terms and
Agreement

1

IP: 192.168.200.67

From: CLK Council Info
Sent: Saturday, January 18, 2020 7:18 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Stephen Canham
Phone 8082266366
Email swc1837@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bil 25, 2019
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and Members of the Zoning, Planning and Housing Committee,

I am writing to you today in strong support of Bill 25. Bill 25 is the next logical step in our island's progress toward a livable, stable energy and climate future. Some of our expectations for the future of Honolulu are that:

The City have its own authority to advance a solar water heater mandate consistent with state law, which provides an exemption if a gas water heater truly makes sense in a particular situation;

Electric vehicle charging infrastructure becomes ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities be EV-ready;

Written Testimony

All new construction on O'ahu is as energy efficient as possible.

Bill 25 moves us in this direction. Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O'ahu because:

Energy efficiency measures reduce monthly electric bills for businesses, homeowners, and renters;

Solar water heating significantly reduces monthly electricity bills compared to gas and electric water heaters;

Electric and hybrid vehicles are cheaper to operate and maintain than gas cars.

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form to set the stage for the future of O‘ahu’s energy efficiency and security.

Thank you.

Sincerely,

Stephen Canham, PhD
Kaneohe, HI

Testimony	
Attachment	
Accept Terms and	1
Agreement	

IP: 192.168.200.67

From: CLK Council Info
Sent: Saturday, January 18, 2020 5:33 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Patricia Blair
Phone	8088886393
Email	patriciablair@msn.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	7
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	I support Bill 25
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Saturday, January 18, 2020 5:33 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Patricia Blair
Phone	8088886393
Email	patricia Blair@msn.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	7
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	I support Bill 25
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Saturday, January 18, 2020 3:42 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Earl Kim
Phone 8085240814
Email mothra246@yahoo.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7-Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,

We know that our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O'ahu. Bill 25 is the next logical step in our island's progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

Written Testimony The City has its own authority to advance the solar water heater mandate consistent with state law, which provides an exemption that homeowners can apply for if a gas water heater truly makes sense for them.
Electric vehicle charging infrastructure is ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready
All new construction on O'ahu is as energy efficient as possible
Bill 25 moves us in this direction. Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O'ahu because:

Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters
Solar water heating significantly reduces monthly electricity bills compared to gas water heaters
Electric vehicles are cheaper to operate and maintain than gas cars

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency.

Thank you for the opportunity to testify and for taking up this important measure at the council.

Sincerely,
Earl Kim

Testimony
Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Saturday, January 18, 2020 3:17 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Dawn Soderquist
Phone 8082559965
Email Dawn@OkanoRE.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25, 2019
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha City Council;

Written
Testimony

I am 60s and I am very concerned about the planet we are leaving to the next generation. It is a shame what we have done and continue to do to our planet. We have to make tough and sometime more expensive choices to clean up our act! This means making developers accountable too. Even if it means spending more money in the short run, it is better for us in the long run. Why are we so short-sided? We know the consumer will end up paying for whatever is required of developers, however, in the long run it will be better for the homeowner, the planet and our next generation.

Please don't let developers change your mind. We see that happen all too often.

Aloha
Dawn

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Saturday, January 18, 2020 2:25 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Greg Puppione
Phone 8089453455
Email gpuppione@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 (Bill 25, 2019)7 (Bill 25, 2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,

We know that our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O'ahu. Bill 25 is the next logical step in our island's progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

Written Testimony The City has its own authority to advance the solar water heater mandate consistent with state law, which provides an exemption that homeowners can apply for if a gas water heater truly makes sense for them.

Electric vehicle charging infrastructure is ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready

All new construction on O'ahu is as energy efficient as possible

Bill 25 moves us in this direction. Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O'ahu because:

1. Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters.
2. Solar water heating significantly reduces monthly electricity bills compared to gas water heaters
3. Electric vehicles are cheaper to operate and maintain than gas cars.

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency. Let's build for the future we want, not the unsustainable present we currently have.

Thank you for the opportunity to testify and for taking up this important measure at the council.

Sincerely,
Greg Puppione
Honolulu, HI

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Saturday, January 18, 2020 1:48 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Sandra Fujita
Phone	8082358376
Email	yappygrl1@aol.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	7
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	I support Bill 25 because everyone needs to reduce carbon emissions or suffer from the effects of global warming.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Saturday, January 18, 2020 11:23 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Dylan Ramos
Phone 8085516999
Email dylanpk.ramos@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 (Bill 25, 2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and respected Members of the Zoning, Planning and Housing Committee,

I understand that despite the self-righteous pronouncements you may receive from well-off constituents who can afford quick transitions to green infrastructure, you have practical matters to account for that affect the finances of both the City, industries, and individuals. That said, Bill 25 cannot be passed alone, but still must be passed as a first step in promoting the still absolutely necessary transition to renewable energy and green infrastructure. Below is an argument you will likely see many more times, but I have included it, largely unedited, because I'd like you to know that I stand behind its message alongside the many people who've been notified of this bill. I testify for myself, though freely admit the text below was suggested by the Sierra Club O'ahu Group:

Written
Testimony

We know that our climate is in a crisis and will continue to be unless we take immediate action to reduce our carbon emissions. That is why I am writing in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O'ahu. Bill 25 is the next logical step in our island's progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

The City has its own authority to advance the solar water heater mandate consistent with state law, which provides an exemption that homeowners can apply for if a gas water heater truly makes sense for them;

Electric vehicle charging infrastructure is ubiquitous on O‘ahu. A minimum of 25% of all parking stalls at commercial and public facilities are EV-ready;

All new construction on O‘ahu is as energy efficient as possible.

Bill 25 moves us in this direction. Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O‘ahu because:

Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters;

Solar water heating significantly reduces monthly electricity bills compared to gas water heaters;

Electric vehicles are cheaper to operate and maintain than gas cars.

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency.

Thank you for taking up this important measure at the council.

Mahalo,
Dylan Ramos
District 5 (96816)

Testimony
Attachment
Accept Terms
and Agreement

1

IP: 192.168.200.67

From: CLK Council Info
Sent: Saturday, January 18, 2020 11:11 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Mary Spadaro
Phone	808-533-2172
Email	mlspadaro@yahoo.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	7 (Bill 25, 2019)
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	I strongly support Bill 25.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Saturday, January 18, 2020 10:22 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Barbara George
Phone 638-5690
Email barbarageorge40@yahoo.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item #7, Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and Members of the Zoning, Planning and Housing Committee,

I am writing to you today in strong support of Bill 25. Bill 25 is the next logical step in our island's progress toward a livable and stable climate future. It is essential that all new construction on O'ahu is as energy efficient as possible.

Contrary to what the Gas Company and developers claim, Bill 25 will reduce the cost of living on O'ahu because:

Written Testimony Energy efficiency measures reduce monthly electric bills for homeowners and renters;
Solar water heating significantly reduces monthly electricity bills compared to gas water heaters;
Electric vehicles are cheaper to operate and maintain than gas-powered vehicles.

Bill 25 should be adopted in its strongest possible form, because it sets the stage for the future of O'ahu's climate resiliency.

Mahalo for the opportunity to testify and for taking up this important measure at the Council.

Sincerely,
Barbara George

Testimony
Attachment

From: CLK Council Info
Sent: Saturday, January 18, 2020 9:28 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Kate Whittingham
Phone 4153288258
Email kwhittingham16@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 (Bill 25, 2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha committee members,

Written
Testimony

I am writing to urge you to support Bill 25 to update Honolulu's building code and make our community more energy efficient. Climate change is happening now, and energy emissions are a leading factor. We have an opportunity to improve our community for our current and future generations. Switching to clean energy is vital to offsetting greenhouse gases and helping to curb climate change. If we do not change something now, then we will be harming our children's generation as well. Please support this bill and help O'ahu become as energy efficient and affordable as possible.

Mahalo for your time,
Kate

Testimony
Attachment

Accept Terms
and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Saturday, January 18, 2020 8:03 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Harvey Arkin
Phone 8083518900
Email harveyarkin9@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 (Bill 25 2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,
We know that our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O'ahu. Bill 25 is the next logical step in our island's progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

- The City has its own authority to advance the solar water heater mandate consistent with state law, which provides an exemption that homeowners can apply for if a gas water heater truly makes sense for them.
 - Electric vehicle charging infrastructure is ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready
 - All new construction on O'ahu is as energy efficient as possible
- Bill 25 moves us in this direction. Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O'ahu because:
- Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters
 - Solar water heating significantly reduces monthly electricity bills compared to gas water heaters
 - Electric vehicles are cheaper to operate and maintain than gas cars

Written Testimony

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O'ahu's climate resiliency. Thank you for the opportunity to testify and for taking up this important measure at the council.

Sincerely,
Harvey Arkin

Testimony
Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Saturday, January 18, 2020 7:54 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Dwayne A Munar
Phone 8084898418
Email DWAYNE_MUNAR@YAHOO.COM
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 (Bill 25, 2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,

We know that our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O'ahu. Bill 25 is the next logical step in our island's progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

Written
Testimony

The City has its own authority to advance the solar water heater mandate consistent with state law, which provides an exemption that homeowners can apply for if a gas water heater truly makes sense for them.

Electric vehicle charging infrastructure is ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready

All new construction on O'ahu is as energy efficient as possible

Bill 25 moves us in this direction. Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O'ahu because:

Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters

Solar water heating significantly reduces monthly electricity bills compared to gas water heaters

Electric vehicles are cheaper to operate and maintain than gas cars

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency.

Thank you for the opportunity to testify and for taking up this important measure at the council.

Sincerely,

Dwayne Munar

Testimony

Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Sunday, January 19, 2020 11:35 PM
Subject: Council/Public Hearing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Banner Fanene
Phone	808.622.7780
Email	banner.fanene@gmail.com
Meeting Date	01-23-2020
Council/PH Committee	Council
Agenda Item	Bill 25
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	At PIT Homeless Counting today. Please pass Bill 25! Mahalo
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 9:48 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Robert Woliver
Phone 8082395577
Email rwoliver1@me.com
Meeting Date 02-03-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to

residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Robert Woliver

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 9:48 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Kelsey Colpitts
Phone 8084972833
Email kbcolpitts@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The energy-saving technology is abundant, and it is amazing to me that society instead encourages outdated energy practices that have a negative impact on our environment and the community. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be “EV-ready” (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 9:46 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Matt Lau
Phone 8089490003
Email mattcalling@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Matt Lau

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 9:58 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Giovanni
Phone	8083214135
Email	Giovannirufino@student.midpac.edu
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	25
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 9:56 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Mary L Spadaro
Phone 808-533-2172
Email MLSpadaro@yahoo.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25 "relating to the Adoption of the State Energy conservation Code"
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony. Please replace my earlier testimony in which I did not include a narrative, with this one.

Mary L. Spadaro,
Honolulu, HI 96822

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 10:05 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Cathleen Langin
Phone 8083961007
Email clangin@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item final committee hearing on Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice-Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

Bill 25 is for clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is very much out of date—The proposed code revision reflects broad and necessary changes in technology, building materials, and best practices to our unique community here in Honolulu.

Bill 25 helps Honolulu make the transition to zero-emission vehicles and will help to make electric cars more accessible to residents and reduce the overall cost of our transition to clean transportation. I respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity as well.

Please advance Bill 25.

Thank you for considering my testimony.

Testimony
Attachment

Accept Terms and Agreement 1

From: CLK Council Info
Sent: Tuesday, January 21, 2020 10:15 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Joy Rogers
Phone 8085245935
Email joy@rogersgems.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice-Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Joy Rogers, Honolulu, HI 96813

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 10:12 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Preethi Krishnamoorthy
Phone 8086579457
Email preethi524@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Final committee hearing on Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 10:11 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Avinash Surendran
Phone 8089387234
Email avinashsurendran2000@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Final committee hearing on Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony
Attachment

Accept Terms
and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 10:09 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Scott
Phone 808-347-3003
Email scot@bradleyproperties.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms
and Agreement

1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 10:24 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Michael Jones
Phone 8087723630
Email mike@bodymakehawaii.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Michael Jones
Honolulu, Hawaii 96813

Testimony
Attachment
Accept Terms
and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 10:19 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name B.A. McClintock
Phone 8080000000
Email redahi@hawaii.rr.com

Meeting Date 01-23-2020

Council/PH
Committee Zoning

Agenda Item Bill 25

Your position on
the matter Support

Representing Self

Organization

Do you wish to
speak at the
hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 10:19 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Lei-Anne Jones
Phone 8087726184
Email emilovescoffee@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Lei-Anne Jones
Honolulu, Hawaii 96813

Testimony
Attachment

Accept Terms
and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 11:09 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Tracy N Adams
Phone 8083668822
Email justracy808@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Recently I saw a news story covering the cost to Hawaii drivers to own & operate a car. We are the worst in the nation on the cost for gas and maintenance of traditional combustion

engine vehicles. It is important to move towards the ownership & use of zero-emission vehicles now for Hawaii residents.

Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be “EV-ready” (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Tracy N. Adams
Hawaii Kai Resident
Honolulu, HI 96825

Testimony
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 10:59 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Jenny Do
Phone 3017081919
Email Jennydo2016@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Jenny Do

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 11:20 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name june chee
Phone 6263186313
Email june.celica@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

June Chee
Honolulu, HI 96815

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 11:58 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Steven M Granato
Phone 8083687602
Email granato808@hotmail.com
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item Bill 25
Your position on
the matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

Written Testimony I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."
Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation.
Please advance Bill 25 with this EV-ready amendment.

Steven Granato, Kailua Hawaii 96734

Testimony
Attachment
Accept Terms and Agreement 1

From: CLK Council Info
Sent: Tuesday, January 21, 2020 11:51 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Adriann Gin
Phone 8085448960
Email adrianngin@eworldes.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Relating to the Adoption of the State Energy Conservation Code
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Adriann Gin; Honolulu, HI 96821

Testimony
Attachment

Accept Terms and 1
Agreement

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 11:38 AM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Peter Greenhill
Phone 8083420674
Email pgreenhi@iolani.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Peter J. Greenhill, Honolulu, H 96825

Testimony

Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 12:18 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Mark Branner
Phone 8087971811
Email mybranner@hawaii.edu
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

John Mark Branner
Honolulu, HI 96817

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 12:33 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Brian Rogers
Phone 8085245935
Email brian@rogersgems.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Brian Rogers. Honolulu, HI 96813

Testimony

Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 12:35 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Lory Ono
Phone 8082361628
Email kealelani@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item 7 (Bill 25, 2019)
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of Zoning, Planning and Housing Committee,

We know that our climate is in a crisis and will continue to be unless we take drastic action to reduce our carbon emissions. That is why I am writing to you today in strong support of Bill 25.

Honolulu is a leader in many climate policies and its residents have high expectations for the future of O'ahu. Bill 25 is the next logical step in our island's progress toward a livable, stable climate future. Some of our expectations for the future of Honolulu are that:

Written Testimony The City has its own authority to advance the solar water heater mandate consistent with state law, which provides an exemption that homeowners can apply for if a gas water heater truly makes sense for them.
Electric vehicle charging infrastructure is ubiquitous on O'ahu. A minimum of 25% of all parking stalls at residential and commercial facilities are EV-ready
All new construction on O'ahu is as energy efficient as possible. Bill 25 moves us in this direction. Contrary to what the Gas Company and developers tell people, passing Bill 25 will reduce the cost of living on O'ahu because:

Energy efficiency measures are a no-brainer way to reduce monthly electric bills for homeowners and renters.

Solar water heating significantly reduces monthly electricity bills compared to gas water heaters

Electric vehicles are cheaper to operate and maintain than gas cars.

Bill 25 is an important energy efficiency bill that needs to be adopted in its strongest possible form because it sets the stage for the future of O‘ahu’s climate resiliency.

Thank you for the opportunity to testify and for taking up this important measure at the council.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 12:48 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Kenneth Eisner
Phone	7608770212
Email	ken_eisner@yahoo.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	Bill 25
Your position on the matter	Support
Representing Organization	Self
Do you wish to speak at the hearing?	No
Written Testimony	I believe this bill is a right step forward. I support it and think it's necessary to help with the growing EV adoption in Hawaii. Electric Vehicles are the future and we need to be ahead of the curve with charging and infrastructure. Mahalo
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

Honolulu City Council
Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to "future-proof" new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Paahana Kincaid

Paahana Kincaid

Honolulu, Hawaii 96815

From: CLK Council Info
Sent: Tuesday, January 21, 2020 1:30 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Ross Villiger
Phone 8084299772
Email rossvilliger@gmail.com
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25 CD1
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written Testimony

I support of Bill 25 CD1, Relating to the Adoption of the State Energy Conservation Code.
Experts continue to come out with reports such as the Fourth National Climate Assessment and the United Nations Intergovernmental Panel on Climate Change (IPCC) reports discussing the existential threat of climate change, the negative impacts it will have on our society, economy, and our natural resources, while highlighting the need for immediate action by our leaders.
There is a lot of work that needs to be done to effectively combat climate change, but Bill 25 is a great step in the right direction. Solar energy heating our water, building at least 25% of infrastructure needed for EV (Electrical Vehicle) readiness, and just making sure O'ahu's buildings are efficient as possible in how it uses energy is an important step in helping us to reach our goal of 100% renewable energy.
However as an organization whose membership and leadership consists of Millennials and younger, we know that meaningful progress is when both working people and the environment thrive hand in hand in a state where families live paycheck to paycheck and young people are moving away because they can't afford a decent standard of living. Bill 25 has the potential to

help working families while protecting our environment. Being efficient with energy usage such using solar instead of gas to heat water will help in reducing monthly electric bills, unloading at least some of the burden off of both those who own homes, as well as those who are renting their homes. This is an issue of economic justice, as well as it is an environmental issue. For a livable

and equitable Hawai'i future for all, it is important that this committee, and eventually the full City Council passes the strongest version of this measure. Please protect Hawai'i's, and work to preserve it for the benefit of future generations. We look forward to continuing to work with the City to take proper action on climate change.

Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 1:39 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	Javier Mendez
Phone	8083214434
Email	menjavi@gmail.com
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	7(Bill 25, 2019)
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Saturday, November 09, 2019 11:48 AM
Subject: Public Infrastructure, Technology and Sustainability Speaker Registration/testimony

Speaker Registration/Testimony

Name Roxanne Rivero
Phone 808-753-6569
Email surfergirl808@msn.com
Meeting Date 11-14-2019
Council/PH Committee PITS
Agenda Item BILL 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written Testimony Please give us renewable energy sources such as ev support and gas water heaters let's not be this draconian third world country state that does not show forward movement in protecting and saving our aina and oceans.. our sewage system as well as road infractrstructure is so sad! recycling, ridiculous.. and single use plastics we have more education on all and need to really move fast.. thank you

Testimony Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Sunday, November 10, 2019 10:39 AM
Subject: Executive Matters & Legal Affairs Speaker Registration/Testimony

Speaker Registration/Testimony

Name Taurie Kinoshita
Phone 8087793456
Email taurie@hawaii.edu
Meeting Date 11-14-2019
Council/PH Committee ~~Executive~~Matters ZPH
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Written Testimony Dear Chair and Committee Members,
I strongly support Bill 25. We need to take steps to be carbon neutral now, before its entirely too late. Our beautiful island paradise depends on us protecting it. Thank you for your consideration.
Sincerely, Taurie Kinoshita

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Friday, November 08, 2019 4:41 PM
Subject: Executive Matters & Legal Affairs Speaker Registration/Testimony

Speaker Registration/Testimony

Name Nancy Davlantes
Phone 8082473681
Email ndavlantes@aol.com
Meeting Date 11-14-2019
Council/PH Committee ~~ExecutiveMatters~~ ZPH
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization 45-571 Awanene Place
Do you wish to speak at the hearing? No

Written Testimony I find it astonishing that, given the challenges we face in a time of climate change and the need for sustainability, that two obvious steps in the right direction continue to be opposed by Hawaii Gas and the building industry. Their excuses are weak when confronted what the alternatives are.

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Friday, November 08, 2019 8:05 PM
Subject: Executive Matters & Legal Affairs Speaker Registration/Testimony

Speaker Registration/Testimony

Name Lucas Costner
Phone 8084218472
Email costnerluc@gmail.com
Meeting Date 11-14-2019
Council/PH Committee ~~Executive~~Matters ZPH
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

The city's greenhouse gas inventory found that 35% of the island's carbon pollution comes from our built environment. Bill 25 updates O'ahu's energy codes to meet the state's standards for building energy efficiency. This is a no brainer for climate resiliency.

However, Hawai'i Gas and the building industry have been pushing back on two aspects of the bill—the solar water heater mandate and requiring electric vehicle charging in parking stalls.

Written Testimony

The city estimates that solar water heaters can avoid as much as 29 metric tons of carbon pollution—the equivalent of 67 barrels of imported oil per household—and adds up to a cumulative household savings of at least \$2,750 over a 15 year span. Developers are worried about the upfront costs of installing electric vehicle wiring but the cost is 90% less when done during construction.

Bill 25 is a big step toward climate resiliency. If Hawai'i Gas wants to be part of the solution and actually make good on its past promises to transition to renewable sources, they should support this bill that helps in the transition towards a decarbonized economy.

Testimony Attachment

Accept Terms and Agreement 1

From: CLK Council Info
Sent: Saturday, November 09, 2019 9:42 PM
Subject: Executive Matters & Legal Affairs Speaker Registration/Testimony

Speaker Registration/Testimony

Name Alex Kahn
Phone 4102075560
Email info@asinspiredmedia.com
Meeting Date 11-14-2019
Council/PH Committee ~~Executive~~Matters ZPH
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Councilmembers,

Written
Testimony

I believe that this step is a crucial factor necessary for our island to achieve the 100% renewable and 100% carbon neutral goals we set out. On the mainland this month, they are already discussing an update to building codes standards to make them even stricter. This Bill is not a difficult thing for builders to do. In fact, the EV installation would actually help to meet the ever increasing EV demands. Hardly any apartments have EV and for people like me who want to get an EV, I cant. I think Bill 25 fits in line with previous laws we have passed and I honestly don't know how we can offset all our energy needs with renewables if more and more inefficient buildings continue to be built.

This Bill is answering the requests from the community.

In respects to the solar AC- this just makes sense. We have the capacity and ability. We don't want to be reliant on other nations for all our power. Lets be a more self sustaining island and use the elements of nature to protect our home. Lets decrease our air pollution and negative impact on the planet. We live in paradise, let's treat it and care for it as such.

Testimony
Attachment
Accept Terms
and Agreement

1

From: CLK Council Info
Sent: Wednesday, September 25, 2019 1:25 PM
Subject: Business, Economic Development and Tourism Speaker Registration/Testimony

Speaker Registration/Testimony

Name D.C
Phone 8083677443
Email D.J.Choi@gmail.com
Meeting Date 09-26-2019
Council/PH Committee Business
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Esteemed Council Members,

While Bill 25 is not on the current agenda, it should be. Bill 25 should have been passed a decade or two ago. Hawaii has one of the highest rates of solar radiation in the US and thousands of homes could have been cleanly heated for years using solar water heaters.

Written
Testimony

Second, Hawaii Gas appears to be running a smear campaign ignoring the long term costs of operating gas powered water heaters, falsely saying that the costs of required solar or other water heaters will add \$30,000 or more to new home costs. This is very strange as the average cost of a solar water heater is \$6,000 before tax credits.

A conservative estimate of \$45 monthly for gas water heating for a family of four would cost \$4,320 in mere operating fees over eight years. Which is more than the total post-Hawaii only tax credit costs of the average system of a solar water heater. Add in the cost of a gas water heater and there is no mathematical way that solar water heating is more expensive than gas based heating.

I implore you to take up Bill 25 and pass it as soon as possible.

Testimony
Attachment
Accept Terms and Agreement 1

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:10 PM
Subject: Public Infrastructure, Technology and Sustainability Speaker Registration/testimony

Speaker Registration/Testimony

Name Amy
Phone 8089274593
Email Amyjw0709@gmail.com
Meeting Date 01-23-2020
Council/PH Committee PITS ZH
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

My husband and I are both EV drivers and will always be. Our two kids will also be driving with in the next decade and they will only be driving EV. The newest generation of drivers who buy new or used cars are more interested in EV cars. With the purchase of new EV and resale of used ones the population grows. Once you have purchased an EV you don't go bag to ICE cars. It always happens the other way around. Therefore contributing to a growing population of people who need to charge their vehicles. Public charging stations are very limited on the island. Fast chargers are even more limited and offer the most convenient way to charge. We support clean energy so we may have a future. We need to keep up with the pace of the publics demand for the environments protection and provide proper EV stations all over the island.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.
Amy Weed
Mililani, HI 96789

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:07 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Robert Woliver
Phone 8082395577
Email rwoliver1@me.com
Meeting Date 02-03-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Zoning, Planning and Housing Committee
Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to

residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.
Robert Woliver

Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:26 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Jonathan Boyne
Phone 8089514934
Email boyne@hawaii.edu
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Dear ZPH Chair Menor and Committee Members,

I support Bill 25, in a stronger form. Please raise the EV-ready parking stall amount in item 17 from 25% to 100%. Vancouver's requirement is 100%. Twenty-five percent will only become inadequate in the next few years. Let's not go through this again then.

I ask you to change all the bill's language about Level 1 charging to be Level 2 charging. I understand that Level 2 is fast becoming the standard nationwide, because it is several times faster, making EVs far more convenient and practical for homeowners and renters in a wide variety of situations. "Range anxiety" (fear one's battery won't last to the next charging station) should not prevent people from switching to an EV, which nearly everyone in Hawaii must eventually do.

Written
Testimony

The proposed "Points-based electric vehicle readiness compliance path" avoids the EV readiness we really need. Stop delaying the future!

Reject self-serving, deceptive arguments like, "People should have 'a choice' of a gas water heater," and "The solar and EV-ready requirements make affordable housing unaffordable."

With or without Bill 25, very few homeowners will have a choice of water heater type. The people who currently have a choice are the developers: land owners and builders. Once they choose a type of water heater, and build 10 homes, or 500, people who buy the homes are stuck with the developers' choice, usually meaning eternal gas bills.

If actually given a choice, and all the facts, the vast majority of homeowners would choose renewable water heating, because it's far cheaper in the long term. To give homeowners that benefit, developers need an ordinance, or they won't make the right choice.

Also, letting anyone choose natural gas is not pono. The emissions from gas affect literally everyone on the planet. No one has a right to "choose" for the rest of us. It's like "choosing" to blast heavy metal music at 3 a.m., or "choosing" to drive on the left. The same goes for people who prefer gas cooking.

As to affordable housing, Bill 25's requirements will increase costs for three to four years while the solar water installation cost is being paid off, but then that housing will become even more affordable, because there will never be a gas bill. EV-readiness adds a slight cost, but it's becoming a part of 21st century life.

This argument is like saying you could make housing more affordable if you just left out the electricity and plumbing.

Items 17, 28 and 31 in Bill 25--the solar water heating and EV-readiness parts--will accomplish three important things:

1. Lower the cost of living for long-term Hawaii residents. Paying a permanent monthly bill for natural gas to heat water in sunny Hawaii is just silly. Solar water heating pays for itself in three or four years, and residents don't have a monthly gas bill. Ever. An electric water heater accounts for over 25% of the average electric bill. The sun is free.

Electric vehicles (EVs) will replace gas cars before long. Hawaii residents will need some way to charge at home. How will they afford to install the electrical equipment needed for that? Installing it is far less expensive during construction. Don't force new homeowners to spend thousands of dollars to retrofit their homes for the EV they will be driving within the next decade or two.

2. Help to fight our climate crisis. Those who want a choice of gas water heating should consider that the methane they would burn affects all of us. Their kokua is not just appreciated, it's essential.

Hawaii needs to adopt EVs widely and quickly to meet our clean energy goals. The top two reasons people don't buy an EV right now are range anxiety, and too few charging stations in general [1]. Remove these barriers, and people will adopt. Cutting our greenhouse gas emissions depends on it. The amount of fossil fuel used to power an EV in Hawaii was already, in 2012, 31% less than that required to power a similar gasoline-fueled vehicle [2]. This has certainly improved as Hawaii has increased the use of renewables to make electricity.

3. Show some leadership! We're all very proud to be the first state to commit to 100% clean energy, but what progress have we made? The Federal government is in love with coal. The Hawaii legislature did very close to nothing last year.

That leaves you. Are we all waiting for a giant hurricane to wipe out Waikiki? Are you waiting for Kam Highway to fall into the ocean completely? We know now that clean energy by 2045 is too little, far too late, and it's past time to move the goal up. Way up.

You, and state lawmakers, are supposed to write laws to help protect us from sea level rise, catastrophic hurricanes, and rain bombs. This bill, and stronger amendments, deserve support from anyone with the least concern about climate change, or about saving consumers money.

Here's your chance to set an example. Take it!

Thank you for the opportunity to testify.

Sincerely,
Jonathan Boyne

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

Public comment on: Bill 25

January 23, 2020

Committee on Zoning, Planning & Housing Agenda Item # 7

Resident: Susan Gorman-Chang

Address: 91-210 Wahane Place

Kapolei, HI 96707

Phone: 818-723-0767

Aloha kakou and mahalo for allowing my public comment. My name is Susan and I am a resident of Kapolei. I am in favor of City Council Bill 25 and I greatly appreciate the energy saving requirements it calls for such as greater insulation, solar conduit and electrical panel readiness, battery equipment readiness, dedicated receptacle for EV charging for each residence, cool roofs and Energy Star rated appliances.

In the matter of solar water heaters, I am in favor of Bill 25 as it was originally drafted, which called for residential single family buildings to use solar, wind or another renewable energy source for not less than 90 percent of the energy for service water heating. The CD2 proposed amendment to Bill 25 seems to weaken this requirement by allowing some exceptions. I do not believe natural gas water heaters should be allowed under any circumstances. Natural gas is not a renewable energy source and methane is more damaging than carbon dioxide since methane traps much more heat than carbon dioxide. Methane pollution is thought to cause around a quarter of the global warming the Earth is currently experiencing. Why would we go backwards in terms of energy technology and efficiency to allow gas water heaters when we have so much free sunshine?

Last but not least, mahalo for the hard work you have all done in crafting this bill to make our commercial and residential spaces more energy efficient and to empower us to move away from the environmentally destructive power sources of oil and natural gas, and towards clean and renewable energy sources such as solar.

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:25 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name SY (8th grader at SEEQS)
Phone 8086773377
Email r.calvan@seeqs.org
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item Bill 25
Your position on
the matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and 1
Agreement

\
IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:24 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name ML (7th grader at SEEQS)
Phone 677-3377
Email m.cahill@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and 1
Agreement

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:24 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name BC (6th grader from SEEQS)
Phone 677-3377
Email c.chaudron@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice-Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:24 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name VS (6th grader at SEEQS)
Phone 677-3377
Email c.chaudron@seeqs.org
Meeting Date 01-23-2020
Council/PH Zoning
Committee
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:24 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name LB 7th grader at SEEQS
Phone 677377
Email m.cahill@SEEQS.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:24 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name km (8th grader at SEEQS)
Phone 677-3377
Email r.calvan@seeqs.org
Meeting Date 01-23-2020
Council/PH Zoning
Committee
Agenda Item bill 25
Your position on the Support
matter
Representing Self
Organization
Do you wish to speak No
at the hearing?
Written Testimony i support this idea because i want a change i feel like this will change our children's future and will prevent the extinction of human kind and i will be happy living a a nice life in my future with my children.
Testimony
Attachment
Accept Terms and Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:24 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name JB (6th grader at seeqs)

Phone 808 677 3377

Email c.chaudron@seeqs.org

Meeting Date 01-23-2020

Council/PH
Committee Zoning

Agenda Item bill 25

Your position on
the matter Support

Representing Self

Organization

Do you wish to
speak at the
hearing? No

Written Testimony These are significant, cost-effective changes that will help to dramatically reduce the greenhouse gas emissions from our new homes and buildings while helping to foster our transition to clean transportation. But recent proposed drafts weaken these provisions.

Testimony

Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:27 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name VS 8th grader at SEEQS

Phone 677-3377

Email r.calvan@seeqs.org

Meeting Date 01-23-2020

Council/PH
Committee Zoning

Agenda Item Bill 25

Your position on
the matter Support

Representing Self

Organization

Do you wish to
speak at the
hearing? No

Honolulu City Council

Zoning, Planning and Housing Committee

Support for Bill 25, "Relating to the Adoption of the State Energy Conservation Code"
January 23, 2020, 10:00 AM hearing

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

Written
Testimony

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for

EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

VS

Testimony
Attachment

Accept Terms and
Agreement 1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:27 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name	tb(SEEQS 7th grade
Phone	677-3377
Email	m.cahill@seeqs.org
Meeting Date	01-23-2020
Council/PH Committee	Zoning
Agenda Item	bill 25
Your position on the matter	Support
Representing Organization	Self
Do you wish to speak at the hearing?	No
Written Testimony	I support the bill 25 because it would be a more eco-friendly option to using your house and it may be less cost-efficient in the future
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:26 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name LDV
Phone 677-3377
Email r.calvan@seeqs.org
Meeting Date 01-23-2020
Council/PH
Committee Zoning
Agenda Item Bill 25
Your position on
the matter Support
Representing Self
Organization
Do you wish to
speak at the
hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and 1
Agreement

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:26 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name E.C 7th grader at SEEQS
Phone 677-3377
Email m.cahill@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and 1
Agreement

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:26 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name BT (8th grader SEEQS)
Phone 808-677-3377
Email r.calvan@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of

Vancouver. This will help to “future-proof” new construction and accelerate our clean transportation future.

Please advance Bill 25 with this EV-ready amendment.

Thank you for considering my testimony.

Testimony

Attachment

Accept Terms and 1
Agreement

IP: 192.168.200.67

From: CLK Council Info
Sent: Tuesday, January 21, 2020 2:26 PM
Subject: Zoning, Planning and Housing Speaker Registration/Testimony

Speaker Registration/Testimony

Name Z.R
Phone 677-3377
Email m.cahill@seeqs.org
Meeting Date 01-23-2020
Council/PH Committee Zoning
Agenda Item Bill 25
Your position on the matter Support
Representing Self
Organization
Do you wish to speak at the hearing? No

Aloha Chair Menor, Vice Chair Waters, and members of the Committee,

I am testifying in strong support of Bill 25, "Relating to the Adoption of the State Energy Conservation Code."

This is a critical clean energy and climate measure that would modernize the City & County of Honolulu's (Honolulu's) building energy code. This modernization updates Honolulu's existing building energy code—which is nearly fourteen years out of date—to increase occupant health and comfort while significantly reducing energy use for new homes and buildings. The proposed code revision reflects broad changes in technology, building materials, and best practices, while considering Honolulu's unique island and building environment.

Written
Testimony

In addition, this measure should ensure that new homes come equipped with either solar or high-efficiency water heaters, helping to close the loophole that has allowed thousands of fossil gas water heaters to be installed in recent housing.

Finally, Bill 25 helps Honolulu make the transition to zero-emission vehicles by requiring that a certain percentage of new parking stalls be "EV-ready" (with wiring and capacity for EV chargers to be installed). This will help to make electric vehicles more accessible to residents and reduce the overall cost of our transition to clean transportation. This provision should be strengthened significantly, however. We respectfully request that this committee amend Bill 25 to include a requirement that 100% of new parking stalls (for commercial and multi-family buildings) be prepared for Level 2 charging capacity, similar to the city of